

The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALE - MANUFACTURER



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3 2 9 0
CXXXIX FEBRUARY 27, 1943 Annual Subscription (with Diary) 25/- Single Copies 9d.

The Grete herball

Whiche sheweth parfyte knowlege and vnder-
standyng of all maner of herbes & theyr gracyous vertues whiche god hath
ordayned for our profectuous wefare and helth for they helpe cure all maner
of dyseases and lecheresses that fall of nyghtyng to an maner of creature
of god created wroth to by many experyent and wyle maylers as Avicenna &
other etc. Whiche sheweth parfyte vnderstandyng of the booke lately printed
by maister Peter Treveris which the noble experience of certuous handwarkes of
forygeth.

Title Page to "The Grete Herball" printed by Peter Treveris in 1529, one of the earliest British Herbals. (The Chemist and Druggist, June 24, 1922)

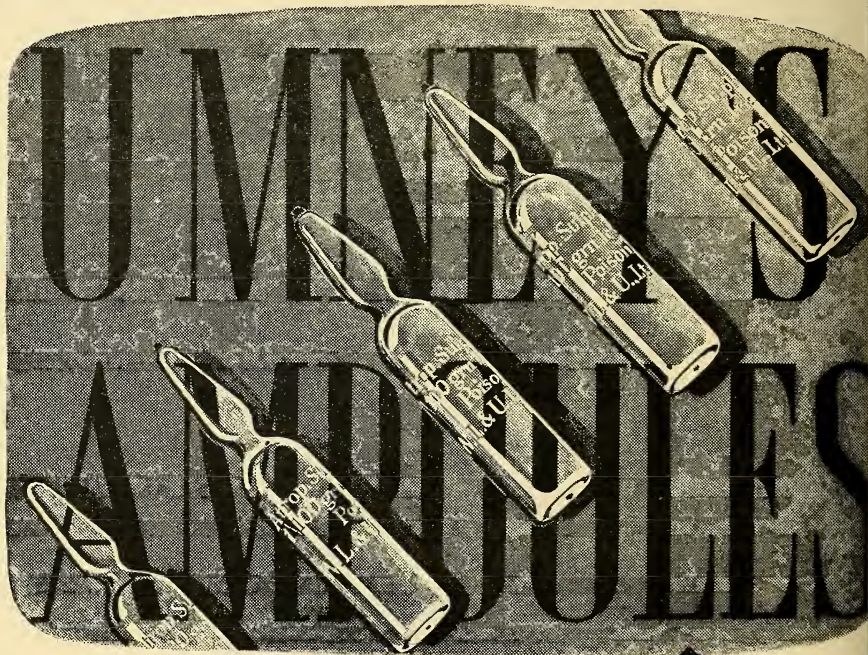


A Study of the old English Herbals reveals how great have been the changes in Medicine since those early days . . . Not so, however, with the Lilly Policy —there is no change here even in the abnormal times through which we are now passing . . . Lilly Products are still sold at a uniform price to all pharmacists alike through the recognised wholesalers of the Buyer's choice.



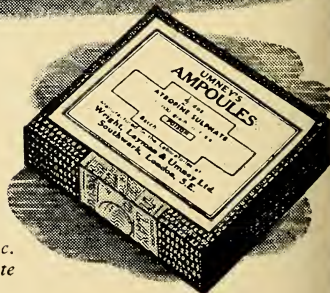
ELI LILLY AND COMPANY LIMITED
BASINGSTOKE, HANTS

UMNEY'S
sterilised solutions
FOR INJECTIONS



Umney's Ampoules, now produced in our reconstructed factory, are filled, sealed and labelled by the most modern processes and are available at favourable prices. Carefully controlled materials are introduced under expert supervision into ampoules of alkali-free glass. The most recent approved methods of sterilisation are adopted, being either those of official publications or of other recognised authorities.

N.B. 1 c.c. sizes contain 1.1 c.c., 2 c.c. contain 2.1 c.c., 5 c.c. contain 5.1 c.c. of fluid, and so on, to ensure that the complete dose may be withdrawn.

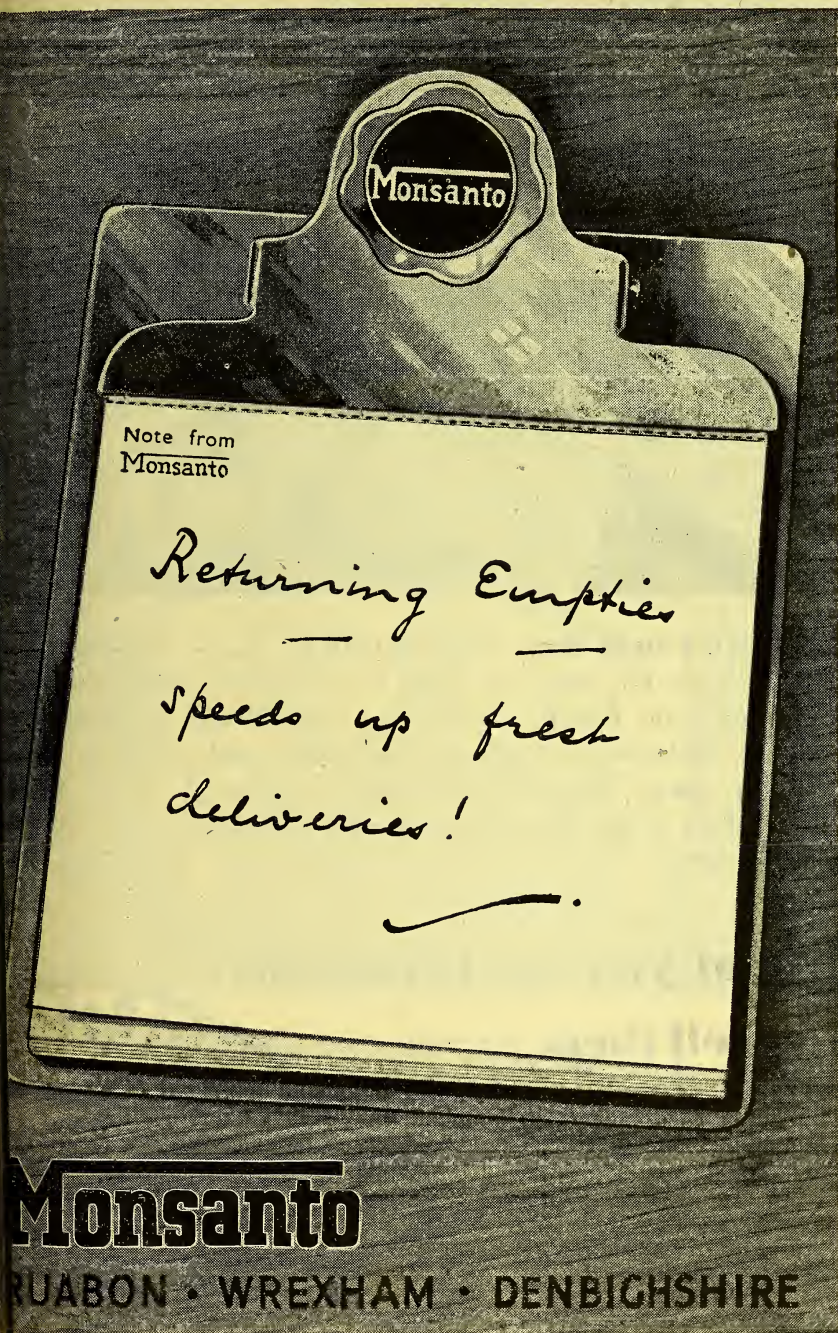


WRIGHT · LAYMAN & UMNEY LTD
44 · 50 SOUTHWARK STREET · LONDON · SE1

TRADE



MARK



The advertisement features a central image of a clipboard with a dark, textured background. At the top of the clipboard is a circular logo with a scalloped border, containing the word "Monsanto" in a stylized font. Below the logo is a white rectangular note with a dashed border. The note contains the following text:

Note from
Monsanto

Returning Empties
— —
speeds up fresh
deliveries!
— .

At the bottom of the advertisement, the word "Monsanto" is written in a large, bold, sans-serif font. Below it, the text "RUABON • WREXHAM • DENBIGHSHIRE" is written in a smaller, bold, sans-serif font.

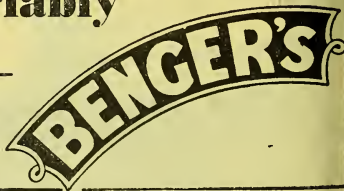
The trained mind of the pharmacist puts him in a unique position to view the public in cross-section. It is interesting to him to study the various types who come to him for their needs and for his advice.

Customers vary . . .



There's **THE WOMAN WHO DOES WITHOUT** — worries herself to a shadow about food for her family but doesn't eat enough herself. *She* could with a cup of the Benger's she gives her husband and the children every night. It would rest her, build up her strength and fortify her digestion against the danger of serious illness. *She* can't afford to be ill. Yet, no she can afford to buy Benger's for the family and does — the No. 2 s tin for economy . . .

**. . . but you can invariably
sell them —**




**90% of your customers need Benger's
and are being educated to ask for it**



Collosol Manganese Crookes'

In the treatment of boils, carbuncles, abscesses, chronic ulcers, gonorrhœa, acne, psoriasis and other coccogenic and pyogenic affections Collosol Manganese is widely used. It is invariably tonic and stimulating, and increases the protective powers of serum proteins. Injected intramuscularly, there is the minimum of discomfort, and by the oral route Collosol Manganese may be administered to children with perfect safety.

THE CROOKES LABORATORIES (British Colloids Ltd.) PARK ROYAL, LONDON, N.W.10



This symbol is your guarantee of quality, purity and reliability, backed up by a distinctively pharmaceutical sales policy. Kerfoot products are sold to the public through Chemists only.

THOMAS KERFOOT & CO. LTD
Vale of Bardsley . . . Lancashire

PROMOTES DEEP
REFRESHING
SLEEP

Castbury's
BOURN-VITA
NEEDS NO SUGAR

DEX TO ADVERTISERS

fact that goods made of raw materials in short
ly owing to war conditions are advertised in this
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are necessarily available for export

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OINTMENT
YOUR FIRST AID

KEEP IT ON DISPLAY!
National advertising ensures public demand
Recommend Calvex for Chilblains, Chapped
Hands, Piles and Ulcers

COMMUNITY FROM COLDS

owing Medical and Public Demand for SEROCALCIN

HELP US TO HELP YOU BY ORDERING EARLY



Experience indicates that SEROCALCIN is effective in 80 per cent. of cases in the prophylaxis and treatment of colds. It is not surprising, therefore, that the demand is increasing faster than the supply. The national importance of SEROCALCIN at the present time makes it specially desirable to ensure equitable distribution. Please co-operate with us by placing your orders EARLY.

HARWOODS
ORATORIES, LTD.
FORD · HERTS

SEROCALCIN

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a Household Word



On the P.A.T.A. protected list

W. B. CARTWRIGHT LTD., RAWDON, LEEDS

As the result of many years consistent advertising and customer recommendation Moorlands has become a household word. A constant everyday demand has been created by the thousands of people who buy Moorlands regularly. So let your customers see by your prominent display that they can always rely on obtaining their Moorlands from you.



a woman's DUTY...

"On duty," at home, at all times there is always a Rendell's Product of intimate importance to every woman. In Nurse Drew's free booklet, "Hygiene for Women," will be found helpful solutions to many feminine problems and full information about Rendell's Products.

For over 50 years the name Rendell has symbolised a standard of excellence well recognised and approved by the Medical Profession. Ask your chemist for a free copy of the booklet.

NURSE DREW, VICTORIA HOUSE, SOUTHAMPTON ROW, LONDON, W.C.2

APPROVED BY DOCTORS

RENDELLS
FOR FEMININE DUTY

ADVERTISING WHICH NEVER STOPS

Rendell's Products rank among Britain's greatest proprietary lines. War-time restrictions alone limit the upward trend of their sales.

Consistent, dignified advertising at all times has achieved this proud result. Ample window and counter display material is still available for all Pharmacists.

Rendell's

PRODUCTS

P.A.T.A. **FOR FEMININE HYGIENE**

★ COX of BRIGHTON

MANUFACTURING CHEMISTS

whose reputation goes back 104 years

... In these ever-changing days, even 104 years of research, experience and sustained service are of little avail in dealing with some war-time problems. Nevertheless, in spite of present-day difficulties, COX products meet but one standard—the highest standard of purity and quality, and furthermore, the best possible service is still being extended to our Pharmacist friends everywhere.

ARTHUR H. COX & CO. LTD.

BRIGHTON

“SURCO”

RELIABLE

ELASTIC HOSIERY

SEAMED AND SEAMLESS

For special garments to measure
we give the best possible service

**SURGICAL BELTS
TRUSSES AND SUNDRIES**

50 years' service of
everything Surgical

SURGICAL HOSIERY CO. LTD.

Russell Street - NOTTINGHAM

Telephone No. 75903 Telegrams: Surgical Nottm.

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EXPERTS IN SPECIAL APPLIANCES TO MEASURE, Ladies and Gents ABDOMINAL BELTS for all purposes. CHEST EXPANDING BRACES. SENSORY BANDAGES, ELASTIC HOSIERY (seamed and seamless), TRUSSES (spring and elastic).



For all types of
Hernia.



Wholesale Dealers in Medical Glass, Surgical Dressings, Invalid and Nursing Requirements. Water Air-proof goods. General sundries.

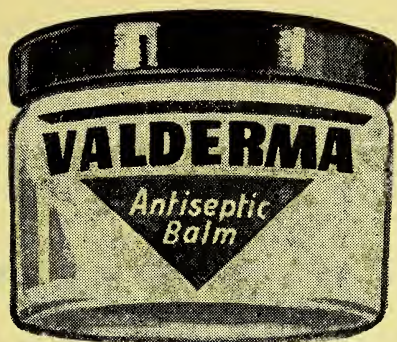
J. H. HAYWOOD LTD.

EST. 1830

11 WARSER GATE

NOTTINGHAM

'Phone: Nottingham 40488, 'Grams: "Appliance, Nottingham"



**ONE
SIZE
ONLY**

**Retail
2/-
including
p. tax**

A really up-to-date antiseptic ointment. Tested and approved by leading Dermatologists. Contains non-irritating antiseptic in a modern *emulsified* base.

Comparative tests by the U.S.A. 'Agar-Plate' method show germicidal qualities far superior to Carbolic Ointment, Boric Ointment and others,

tested on B.Coli, B. Megatherium, Streptococcus Faecalis and Staphylococcus Albus.

White, agreeable to use, soothing. Won't stain linen. Invisible on skin. Recommended for pyogenic infections of the skin—impetigo, barber's rash, etc. For spots, minor cuts and wounds, common skin troubles.

Advertising now appearing in —

**DAILY MAIL
DAILY HERALD
NEWS OF THE WORLD
PEOPLE**

**PICTURE POST
JOHN BULL
ILLUSTRATED
WOMAN**

**AND LEADING PROVINCIAL NEWSPAPERS
THROUGHOUT THE COUNTRY**

Packed in a jar retailing at 1/9½ each. Purchase tax (16⅔%), 2½d. each. Terms to retailers, 15/- per dozen. Purchase Tax, 2/6 per dozen. 5% for cash with order. Minimum order carriage paid, 3 dozen. Attractive show material sent with every order.

**Dae Health Laboratories Ltd.
5/27 Berners Street, London, W.1**

Yardley

JANUARY
TO JUNE

QUOTA DELIVERIE

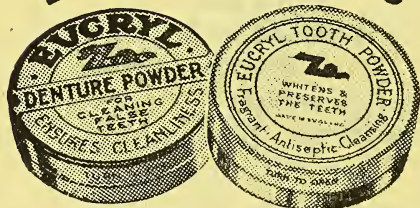
Retailers who purchased goods from us during the Standard Period will in due course receive details of the lines we can offer for the current period ending June 30th, 1943. We regret we cannot accept any orders in the meantime.

Despatch of quota details is being spread over the six months consequently some customers will not hear from us until towards the end of the period. If you are among these, don't think you have been overlooked—the delay is quite unavoidable.

SACKVILLE HOUSE 40 PICCADILLY LONDON W

EUCRYL

DENTIFRICES



BOUGHT ON DISPLAY TERMS YIELD
PROFIT ON :—

SELLING PRICE

BUYING PRICE

39%

63.6%

Eucryl Tooth Paste has an increasing Sale.

EUCRYL LTD.
SOUTHAMPTON

FRAGRANT TONIC HAIR CREAM

“ Makes the hair behave ”

Prepare your own supplies of this high grade cream, easy to make up, costs less than 2d. per oz. All materials available, also Bottles, Screw Caps, Corks and smart Gold Seal labels. See stamp for List.

BRICCAS LTD

4 Cavendish Place, London, W.1. Lancham 11

THEORETICAL PHARMACEUTICAL CHEMISTRY

By C. G. Lyons, M.A., Ph.D.

This book approaches the teaching of pharmaceutical chemistry systematically and scientifically, and can be thoroughly recommended to every student either the Qualifying or Preliminary Scientific examinations.

Price 15/7 post free from

THE CHEMIST & DRUGGIST
17 ARGYLE STREET, BATH

**SURGICAL DRESSINGS,
INSTRUMENTS, APPLIANCES
AND CHEMISTS' SUNDRIES**

**THE
HOUSE OF MAW
Still efficiently
at your Service**

**S. MAW, SON & SONS, LTD.
ALDERSGATE HOUSE,
NEW BARNET, HERTS.**

CHANGE OF ADDRESS**SAVILLE PERFUMERY LTD.**

All communications to

HEAD OFFICE NOW AT
16a SACKVILLE STREET
PICCADILLY, LONDON
W.1

GOODS AND RETURNED EMPTIES TO BE ADDRESSED TO:
SAVILLE PERFUMERY LTD.

c/o YARDLEY & CO., LTD.

105 CARPENTERS ROAD

STRATFORD, LONDON, E.15

**THE
CHEMISTS
PRINTERS**

FOR OVER SIXTY YEARS

**THOMAS WAIDE & SONS, LTD.
KIRKSTALL HILL
LEEDS**

SPECIALISTS IN THE MANUFACTURE OF

TABLETS & PILLS



SINCE

1860

Also... AMPOULES · EMULSIONS · EXTRACTS
INFUSIONS · OINTMENTS · SUPPOSITORIES.

PROPRIETARY AND OWN FORMULA PILLS AND TABLETS

*We invite enquiries from Wholesalers and Exporters for all
classes of Pharmaceutical Preparations in bulk or packed*

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Medical and Dispensing Labels,
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charin Tablet Envelopes (new
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address.

NEW REGULATIONS—Send 6d.
for complete sample range.

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*The PERFECT
air-tight closure
for all containers*

'TRANSOTAPE'

CELLULOSE SELF-ADHESIVE TAPE

Samples & Prices from

JOHN GOSHERON & CO. LTD. Gayford Rd. LONDON W.2

*It's AIRPROOF
DAMP-PROOF
and GERMPROOF*

Makers of **COMPRESSED TABLETS**

for the Manufacturing and Wholesale Trade only

The DALES ASPIRIN COMPANY

PROPRIETOR
(H. A. TOLKIEN)

Output of Saccharin

and Aspirin Tablets sold for some months ahead

SILSDEN, Nr. KEIGHLEY, Yorks.

A Good Opportunity for Increased Sales



PHARMACISTS are now offered exceptional sales possibilities through 'Vimaltol.' This concentrated and economical vitamin food has a delightfully sweet orange flavour which all children love, and is a delicious alternative to malt and cod liver oil. In fact, 'Vimaltol' is as nice as the nicest jam.

The vitamins in 'Vimaltol' are supplied from specially prepared Malt Extract and Yeast, which is one of the richest natural sources of vitamin "B," together with Halibut Liver Oil fortified with additional vitamins.

'Vimaltol' thus possesses definite advantages for increasing strength and weight and fortifying the natural powers of resistance. It is a product of the highest quality, and its high concentration makes it very economical in use.

Widespread advertising of 'Vimaltol' coupled with its intrinsic merit, is creating a demand which you can turn to your advantage by ordering stocks now and displaying 'Vimaltol' prominently.

VIMALTOL

(VI-MALT-OL)
A DELICIOUS, CONCENTRATED.
ECONOMICAL VITAMIN FOOD

(On the P.A.T.A.!)

Wholesale Prices: 1-lb. jars 24/-; 2-lb. jars 43/-

Exempt from Purchase Tax.

Retail Prices: 1-lb. jars 2/10; 2-lb. jars 5/2

For further
details write
to:—

A. Wander Ltd.
184 Queen's
Gate, London,
S.W.7

MACLEANS SOLID DENTIFRICE

We can now accept **SEPARATE**

ORDERS FOR REFILLS



NEW PARCELS AVAILABLE

★ **Refills (7^D)**

Packs of 2½, 3 or 4 doz. and multiples.

Tins (7^{1D}₂ SIZE)

Packs of 3 doz. and multiples.

★ **Tins (1/1^D SIZE)**

Packs of 1½ or 3 doz. and multiples.

Chemists everywhere report that the idea of buying REFILLS packs of Macleans Solid Dentifrice has caught on. Sales are going up.

We have, therefore, arranged to supply Refills in standard parcels separate from the Tins, and *we shall discontinue the composite parcels hitherto offered.* In future all orders should be sent for Standard Parcels as listed on the left, *i.e.*, for Refills and Tins separately.

We have no doubt you will find the new plan a convenience, because it is in direct response to the request of so many of our customers.

★ *For these sizes, orders will be executed in the nearest quantity pack available at the time of receipt of order.*

MACLEANS LTD., GT. WEST RD., BRENTFORD, MIDD^X. Tele.: Ealing 6616. Wires: Macleans, Brentford.



"National" Dispensing Bottle

are Strong, Serviceable and Sure-sealing

NEATLY PACKED IN 6 DOZEN
RETURNABLE CARTONS

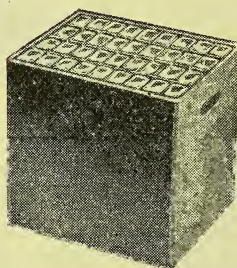
★ CONVENIENT IN SIZE

★ EASY TO HANDLE

★ UNIFORM IN QUALITY

ALSO . . . Cork mouth bottles
WASHED & PAPERED
Screw mouth Bottles
WASHED AND CAPPED

SCREW CAPS SUPPLIED
WHITE-ENAMELLED METAL

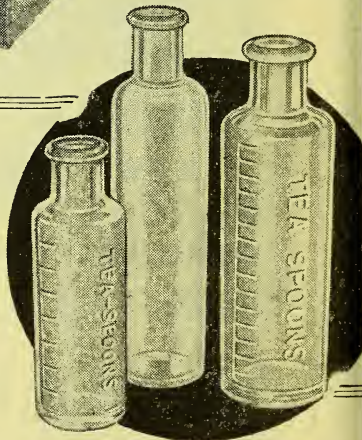


Vials

of "NATIONAL" quality

Ranging in size $\frac{1}{2}$ oz. up to 3 oz.
Plain or teaspoon graduations
Medium and tall types

MANUFACTURED IN BEST QUALITY
WHITE FLINT, AND PACKED IN
RETURNABLE CARTONS



Restrictions outside our control, may
not allow us to meet every requirement

National Glass Works (York) Ltd

Works: FISHERGATE, YORK
Telephone: York 3021

London Office: 105 HATTON GARDEN, E.C.4
Telephone: Holborn 2

WHOLESALE ONLY



POTTER'S CATARRH PASTILLES



*A safe and reliable
remedy known the
whole world over . . .
backed by Press
Advertising on a
big scale*

*In new war-
time display
outlets. Packed
in half dozens.*

P . A . T . A

Retail 1/1½ Per Box. Wholesale 8/- Per Doz. Plus Tax 1/4

POTTER and CLARKE LTD

Phone—Bishopsgate 4761-7 60-64 ARTILLERY LANE, LONDON, E.1 Grams—Horsehound, Phone, London
Phone—Blackfriars 8734 77 DANTZIC ST., MANCHESTER, 4 Grams—Horsehound, Manchester

Put it on show and—

That sparkling glass again!

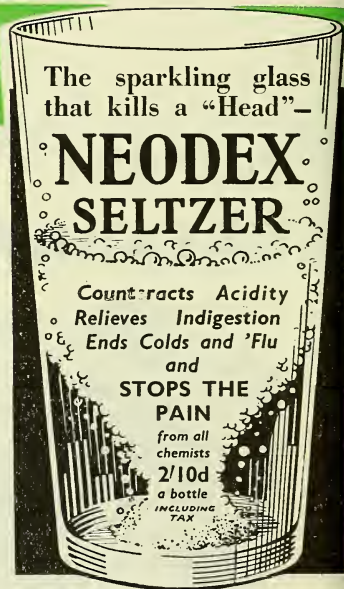
HERE'S good news for your customers who had acquired here or in America the "Seltzer Habit"

There's a British made Seltzer at last—Neodex Seltzer. In powder form, it dissolves quicker, and contains more to the bottle.

One size only **2/6**

Plus 4d. Purchase Tax

Usual Trade Terms



Limited quantities now available through your usual supplier or direct from

INTERNATIONAL LABORATORIES LTD
CHARLBURY . OXFO

NEODEX SELTZER

—see
HOW IT SELLS!

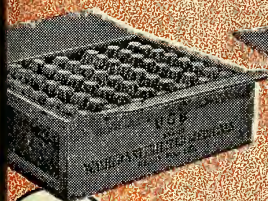
GREATER
HAN EVER IS THE
DEMAND FOR



PERFECTED
WHITE
CAP

U.G.B.

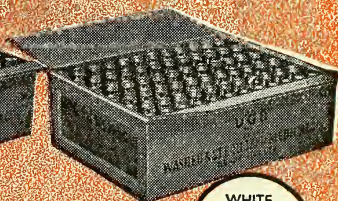
MEDICAL BOTTLES



CORK
MOUTH



WHITE
ENAMELLED
METAL
SCREW-CAP



WHITE
KORKALITE
MOULDED
CAP

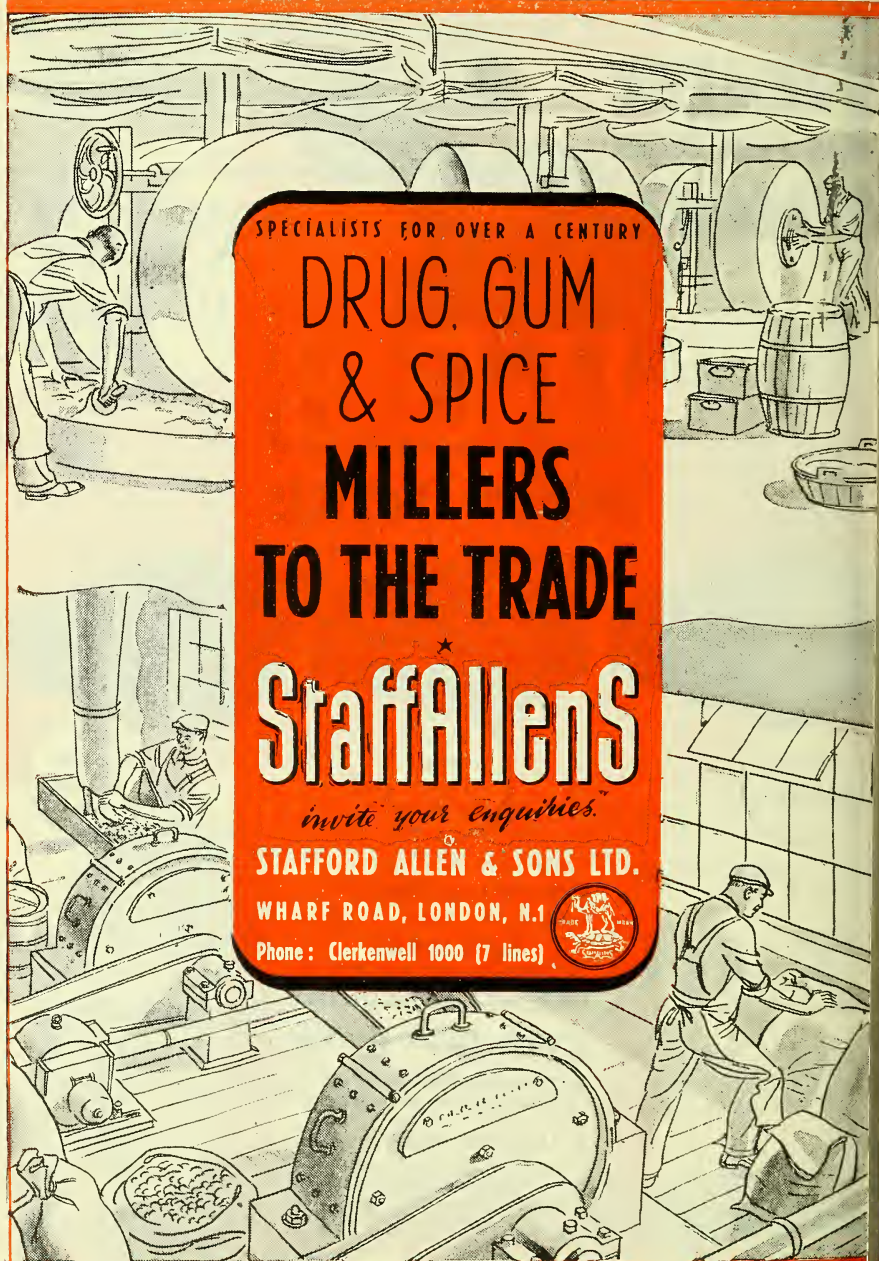
WASHED AND STERILISED
—READY FOR USE—
THE IDEAL
DISPENSING BOTTLE
IN ANY EMERGENCY

UNITED GLASS BOTTLE
MANUFACTURERS LTD.

*The Largest Manufacturers of Glass Bottles
in Europe*

8 LEICESTER STREET, W.C.2

Telephone: GERRard 8611 (10 lines)
Unglaboman, Lesquare, London



The background illustration depicts a large industrial mill. In the upper left, a worker in overalls is bent over, operating a large horizontal stone mill. To the right, another worker is visible near a similar mill, with a wooden barrel and some boxes nearby. In the lower left, a worker is seated at a control panel or hopper, with a large vertical millstone above him. In the lower right, a worker is walking past a large, complex piece of machinery, possibly a sifter or another mill. The floor is covered with sacks and a large bowl filled with ground material. The overall scene is one of busy industrial production.

SPECIALISTS FOR OVER A CENTURY

**DRUG, GUM
& SPICE
MILLERS
TO THE TRADE**


StaffAllens

invite your enquiries.

STAFFORD ALLEN & SONS LTD.

WHARF ROAD, LONDON, N.1

Phone: Clerkenwell 1000 (7 lines)



A small circular logo featuring a lion standing on a pedestal, with the words "TRADE MARK" written around the bottom edge of the circle.

WAR-TIME MARKET NEWS

summarising war-time opportunities, special notices, new packaging and new products

THERE IS NOT SUFFICIENT

Beaulah's FAMOUS
MALTED MILK

FOR ALL THE PEOPLE
WHO WANT IT

our policy therefore is to distribute
available supplies to our Chemist
Friends only

three popular sizes only during
the war, 1/-, 2/- & 4/-

& J. BEAULAH LIMITED,
BOSTON, Lincs.



LABELS for COSMETICS

OWN NAME OR
STOCK



Distinctive designs
which give a finishing
touch of high quality.

Write To-day for Samples to—

WILLIAM SESSIONS LTD.
THE EBOR PRESS, YORK



**Eau de Cologne
and Beauty Aids**

BLUE AND GOLD LABEL
MADE IN ENGLAND

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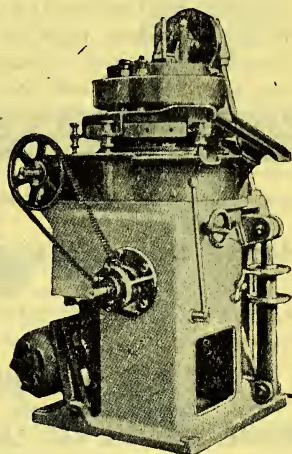
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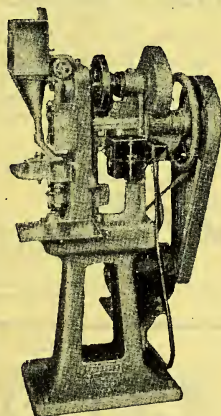
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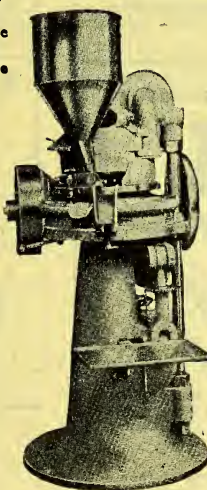
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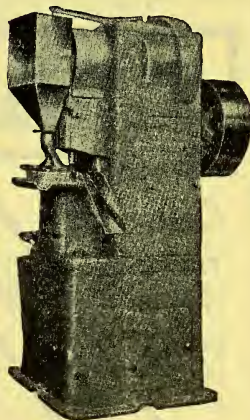
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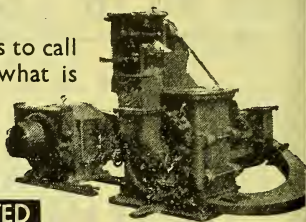
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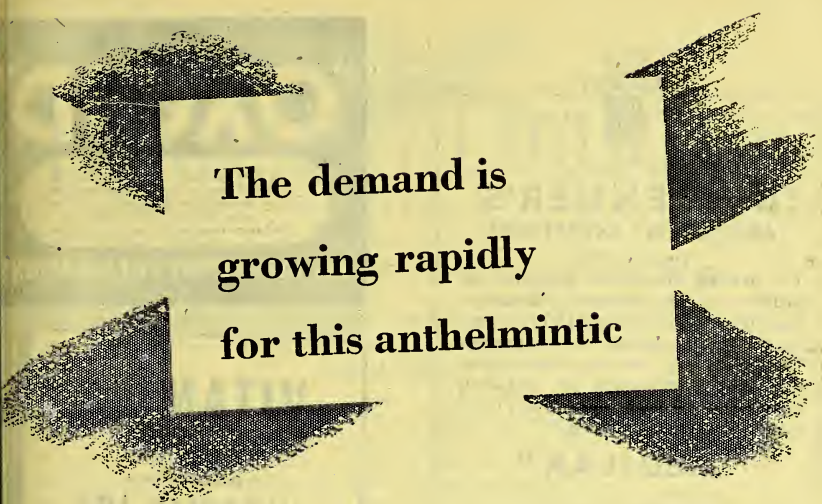
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NEWS OF THE WEEK

Purchase Tax Liability.—The Commissioners of Customs and Excise have decided that floral concretes, floral absolutes and floral waters are chargeable at 66⅔ per cent.; concentrated perfume essences of the type used in the manufacture of toilet or cosmetic preparations, in all forms, whether applied as such or as a collection of ingredients in related quantities suitable for the production of such essences. Food colourings are not chargeable.

Plans for Photographic Club.—Proposals for a permanent headquarters in London will be discussed at the annual meeting on March 19 of the Photographic Trades Social Club. The committee feels that the time has come to establish proper rooms and, in fact, to set up a centre for all engaged in photography, whether amateur men or assistants or those employed in the wholesale and manufacturing sections of the trade and their travellers. The President (Mr. A. J. Remes) is circulating letters to all old members of the Club and

others likely to be interested, whether subscribing members or not, asking them to attend the meeting and support the proposal. The secretary (Mr. R. L. Kershaw, 110 Second Avenue, Gillingham, Kent) states that the membership fee will be kept within reason and within the means of young people in the industry. The meeting will be at the Holborn Restaurant, London, on March 19.

Retail Margins in Maximum Price Orders.

—A deputation from the Retail Distributors' Association and the Drapers' Chamber of Trade has discussed with the President of the Board of Trade the basis on which retail margins are fixed in maximum price orders made under the Goods and Services (Price Control) Act, 1941. The particular point at issue was whether the margins should be expressed as percentages of cost or selling prices before or after the addition of purchase tax. The President promised to consider the views put forward by members of the deputation.

Science Papers for the Conference.—Arrangements are being made for the British Pharmaceutical Conference to meet in London during the summer, and the programme will include meetings of the Science Session for the reading and discussion of research papers. The secretaries invite communications from research workers on subjects of practical pharmaceutical interest for presentation at that meeting. Papers accepted for the Conference will be published in the "Quarterly Journal of Pharmacy and Pharmacology," and authors will be entitled to a limited number of reprints. Authors are asked to make their papers as concise as possible, and a maximum of 4,000 words is suggested.

Irish Society's Calendar.—In two important respects the Calendar of the Pharmaceutical Society of Ireland, 1943, recently sent out, differs from its predecessors. In the first place, it contains a new and useful section of six pages of changes in regulations since publication of the Book of Acts and Regulations. Secondly, there is a marked drop in the number of qualified assistants, the list of which now takes only fifteen pages, against thirty-two pages in the previous Calendar. The examination papers are again included and the whole has been corrected to December 1, 1942.

Laboratory Ware Technical Committee.—The British Laboratory Ware Association, Ltd., 73 Basinghall Street, London, E.C.2, recently formed a technical committee, the objects of which are to promote closer co-operation between bodies responsible for the design of standard laboratory instruments and apparatus and the manufacturers of such apparatus; to assist, by rationalising designs of apparatus and by eliminating overlapping, in securing economical production; and to collaborate with, to achieve these objects, standardising authorities, research associations, etc., in drafting specifications. It is hoped that research and other associations will avail themselves of the facilities offered in order that improved service and quality may result to users of laboratory apparatus. Communications should be addressed to the secretary of the technical committee at the address given.

"One Voice" Plan Explained to Women Pharmacists.—At a meeting of the National Association of Women Pharmacists, held on February 17, Mr. G. H. ARMITAGE gave an address on "New Thoughts on One Voice for Pharmacy." He challenged women pharmacists to use their direct influence for

the good of the craft by attending branch meetings and taking an active part in discussion. By so doing they would help to eliminate existing apathy and indifference among pharmacists. In organising for the future, he said, three ways were open to the pharmacist: the Association of Pharmaceutical Employees; the suggested National Pharmaceutical Employees' Union; and Ministry of Labour intervention. Mr. Armitage put before the meeting his suggestions for the organisation of the proposed N.P.E.U. (see letter, p. 231). A lively discussion followed. A vote of thanks proposed by MRS. TILEY and seconded by MISS HAYWARD, was accorded to Mr. Armitage for his address.

Memorandum on Scabies.—The Ministry of Health on February 17 issued a new paragraph to be substituted for the last paragraph under the heading "Methods of Spread and Prevention" in the revised "Memorandum on Scabies," published in June 1942. The new paragraph is as follows:—

"Recent investigations have shown that whilst articles of clothing and bedding may play some part in the spread of the disease the importance of these as a means of dissemination has been much over-estimated and that with the standard methods of treatment (benzyl benzoate emulsion or sulphur ointment) routine disinfection of clothing is unnecessary, as the layer of medicament which covers the body after treatment is usually sufficient to kill all mites on the clothing. Moreover, in view of the small reinfestation or relapse rate which has occurred when disinfection has been abandoned, it is simpler to repeat treatment in such cases rather than to expend the amount of man-power and material required for routine disinfection in all cases. Emphasis should rather be laid on the follow-up and treatment of the family contacts and other close contacts of the original case including, for instance, children of other families who are playmates with an infected child. It is not necessary, therefore, to insist on disinfection as a routine procedure though it may be justified on occasion, as for instance when there is a high incidence of scabies amongst people living in overcrowded conditions and compelled to use communal bedding and clothing. The parasites are killed comparatively easily and by very moderate temperatures, and ironing with an ordinary hot iron is quite effective for clothing or blankets."

Association of Pharmaceutical Employees—Under the auspices of the London Division of the A.P.E. a conference of employed pharmacists to discuss the functions of the Central Pharmaceutical War Committee

was held recently at the Conway Hall, W.C.1. The speakers were Mr. W. S. Benjamin, M.P.S., and Mr. J. M. Allen, J.P. A letter from the A.P.E. sent to both the C.P.W.C. and the Minister of Labour and requesting the establishment of joint council machinery for fixing minimum salaries and conditions in pharmacy was read. The following resolution was carried unanimously: "This conference of pharmacists held under the auspices of the London Division of the A.P.E. wholeheartedly endorses the A.P.E. letter of the 14th of December, 1942, sent to the C.P.W.C. and the Minister of Labour and pledges support for any further steps leading to the establishment of machinery for fixing minimum salaries and conditions in pharmacy. Further, this conference fully supports the A.P.E. request for direct representation on the C.P.W.C. This step is part of the needs of the employee movement

as enumerated in the Joint London A.P.E./N.U.D.A.W. resolution of 17th January, 1943, to which this conference gives its endorsement."

War Damage Insurance.—The Board of Trade announced in September 1942 that, with the approval of the Treasury, it had been decided that the premium payable under the business scheme for the twelve months ending September 30, 1943, would not exceed £1 per cent. For the period of six months to March 31, 1943, the rate of premium was fixed at 10s. per cent. Having regard to present conditions and to the amount already paid by way of premium, the Board has, with the approval of the Treasury, decided to fix the rate of premium for the whole of the year to September 30, 1943, at 15s. per cent., so that the premium to be paid for the six months, April 1 to September 30, 1943, will be 5s. per cent.

EMPIRE AND FOREIGN NEWS

Pharmacy Subcommittee for Australia.—A pharmacy subcommittee of the Central Medical Co-ordination Committee of Australia has been appointed to advise the Central Medical Co-ordination Committee in all matters relating to the pharmaceutical services of the Commonwealth during the war.

Franco-German Dyestuffs Company.—A new Franco-German dyestuffs company, to be known as Société Anonyme de Matières Colorantes et Produits Chimiques Francolor (capital 800,000,000 francs) has been created. At least half the directors are to be French, and the president of the company is always to be a Frenchman, but German capital holds a controlling interest.

Colonial Yeast Industry Development.—The Colonial Office has issued a statement that the Government has made a grant of £25,000 for a large-scale experimental plant in Jamaica for the production of *Corula utilis*. This is a variety of yeast that has been the subject of research by the Department of Scientific and Industrial Research. The food is stated to be rich in proteins and in vitamins of the B group. Editorial comment, p. 221.)

New Zealand Chemist Honoured.—On January 4 the Society of Chemical Industry conferred honorary membership on Dr. Henry George Denham (chairman of the Council of Scientific and Industrial Research and Rector of Canterbury University Col-

lege, New Zealand) in appreciation of his activities as a research worker in the field of inorganic chemistry. The High Commissioner for New Zealand (Mr. W. J. Jordan), attended the function and accepted the scroll on behalf of Dr. Denham, expressing his gratitude to the Society of Chemical Industry for the honour conferred on one of New Zealand's sons. On behalf of the Dominion he also expressed gratitude to the Society for the assistance, encouragement and recognition it was giving to those engaged in the study of chemistry in the Dominion.

Home-made Insulin at Shanghai.—An account of how he devised apparatus to prepare insulin in Shanghai after the Japanese had closed the business in which he was employed was given by Mr. A. N. Walker in the "Glasgow Herald" recently. As all British-owned apparatus had been seized, it took him six months to get the necessary small-scale plant together. He only succeeded through the agency of a professor in a German medical school, who took the attitude "We may be enemies, but in the interests of humanity we are brothers." The finished apparatus was described as "Heath Robinsonish." Wine bottles served as distilling flasks. At first the pump was worked from a wheel turned by Chinese coolies; later an electric motor was acquired. Stocks of insulin were running very low when the first batch was turned out by the new local "industry."

TOPICAL REFLECTIONS

Beveridge Report Debate

Any amplification of your comment on the House of Commons debate on the Beveridge report may appear unnecessary, especially at so early a stage of the proceedings. Two remarks, however, may not be out of place. The first is that the tendency of House of Commons debates to run to seed has the effect of obscuring the good points often found in the reports. If the rank and file in Parliament could be induced to take a course of instruction under a competent teacher in the art of public speaking, this trouble might be ended. The complaint is not a new one. In the third volume of "The Torrington Diaries," which record the tours of the Hon. John Byng in 1781-94, there is a note on the loquacity of a clergyman at Shrewsbury: "like Mr. Burke's, an everlasting tongue, which, upon the smallest rest, will renew for another three hours." It may be suggested that if so accomplished an orator as Edmund Burke sometimes bored hearers, the average speaker is much more likely to do so. The other remark I venture to make is to thank the seconder of the parliamentary motion for including in his desiderata "effective safeguards against malingering." Every unwarranted dip into the public purse by the work-shy is a sign of parasitism; and it is clear that the self-reliant should not be placed at a disadvantage in any scheme of social insurance.

Sponges

The suggestion that maximum retail prices should be fixed for sponges (p. 187) is of interest. The reserve of these useful articles now in this country is not likely to be considerable. An appreciable quantity of stock of this nature must have "gone west" by enemy action, and in present circumstances even partial replacement is an expensive matter. The ancient Egyptians and Greeks had their Mediterranean sources of supply close at hand: one wonders to what extent the naval operations of this war have scarified the haunts where the slow building up of the sponge framework goes on. In an article on the subject in your issue of March 9, 1929, it is stated that honeycomb sponges occur to the west and north of the point at which Turkey sponges are abundant, a statement suggesting a considerable area for the two classes together. West Indian sponges, it is added, are less fine than

Mediterranean owing to the action of tide on growth. When going through some business records dating from about the middle of the nineteenth century, I found an account of the number of sponges in a case purchased on a given date, their weight before and after the sand was beaten out of them, and the cost and selling prices. The practice of buying sponges by weight has, I think, long been discontinued.

Sir Joseph Banks

The bicentenary of the birth of Sir Joseph Banks, just commemorated, demands a brief mention. As president of the Royal Society for more than forty years Banks is sure of a place in scientific annals that, however, is not the only reason for remembering him. He affords a significant instance of what can be done by enthusiasm backed by discrimination and by the possession of a comfortable income. Those who have waded through the lampoon of Peter Pindar (the pen-name of John Wolcott) may have formed the impression in the absence of a corrective, that Banks was a somewhat weak-minded if well-meaning naturalist. But when we consider the obvious risks he ran in accompanying Captain James Cook on a world voyage thus anticipating the exploits of the "Beagle," "Challenger," and other expeditions, we must credit him with a full share of stamina. The narratives of that voyage are sufficiently loaded with adventure. Once settled in England, Banks became an assiduous collector with a wide scope. Some years ago I went through his collection of trade cards, well annotated and inclusive of several of pharmaceutical interest, as mentioned in your Annual Special Issue of 1926. While president of the Royal Society he used his large house in Soho Square to good purpose, and lovers of history must have experienced a pang when they saw this fine old mansion in the hands of demolition men shortly before the outbreak of the present war. Kew Gardens owes something to his friendship with George III, who resided at times in a small palace in the grounds. By Banks's advice the acquisition of specimens from abroad proceeded steadily, and by the time that the control of the Gardens passed to the Commissioners of Woods and Forests in 1840 the collection was on its way to becoming the chief botanical source of reference for the world. Banks died in 1820. **Xrayser**

TRADE NOTES

Vitamin B₁ Hydrochloride.—Reductions in price of Tabloid and Hypoloid vitamin B₁ hydrochloride, effective from March 1, are announced by Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1.

Solid Dentifrice Refills.—Macleans, Ltd., Great West Road, Brentford, Middlesex, are now accepting separate orders for refills of Macleans solid dentifrice. The composite parcels hitherto available are being discontinued. Details of parcels are given on another page.

Novelty Crossword.—Mr. T. Scott Sutherland, F.R.I.B.A. (chairman, Moore Medical Products, Ltd., Aberdeen), has devised a novelty crossword puzzle, to the first six solvers of which to have their entries opened the company is awarding prizes of ½ doz. Brovon asthma preparation. The puzzle is to be found elsewhere in this issue.

Supplies of the B.P.—We are informed that copies of the British Pharmacopœia, 1932, have now become available and may be had from Constable & Co., Ltd., 10-12 Orange Street, London, W.C.2, or through booksellers. The edition is limited to 2,000. The following Addenda to the Pharmacopœia are also on sale: First (1936); Second (1940); Third (January 1941); Fourth (October 1941); Fifth (1942).

Six Months' Perfumery Quota.—Details of specialities available during the six months ending June 30 to retailers who purchased goods from Yardley & Co., Ltd., Sackville House, 40 Piccadilly, London, W.1, during the standard period are being notified to the retailers concerned. Notification is being spread over the six months, so that customers who do not hear from the company towards the end of the period need take no action.

Business Changes

SAVILLE PERFUMERY, LTD., have removed their head office to 16a Sackville Street, Piccadilly, London, W.1. Goods and returned empties should be addressed to Saville Perfumery, Ltd., c/o Yardley & Co., Ltd., 105 Carpenters Road, Stratford, London, E.15.

BELFAST CO-OPERATIVE SOCIETY, LTD., have acquired the pharmacy of Mr. J. Carroll Culbert, Ph.C., 2 Hollywood Road, Bannswater, Belfast. Mr. J. Carroll Culbert is a past-president and member of the Executive of the Ulster Chemists' Associa-

tion, and one of the original members of the Pharmaceutical Society of Northern Ireland.

Proprietary Articles Trade Association

Addition to Protected List.—*Westminster Laboratories, Ltd.* Magtriz antacid powder, 2s. 3d., 18s. doz., tax 3s. doz., inclusive retail price 2s. 6d. Powder and liquid, 4s. 3d., 34s. doz., tax 5s. 8d. doz., i.r.p. 4s. 9d. Less 2½ per cent. for cash seven days after date of invoice.

N.W.F. CHANGES

THE National War Formulary Committee has agreed, at the request of the Ministry of Health, to add to the National War Formulary a formula for medicated (Lethane) hair oil, and to amend the formulas for Capsula Liquoris Vitaminorum A et D Concentrati, Lotio Calaminæ Oleosa, and Mistura Alba.

Medicated (Lethane) Hair Oil.—The Minister set up an expert committee to consider methods of eradicating the head louse. Of all the substances tried the medicated (Lethane) hair oil proved most successful, without causing undesirable secondary effects. The preparation consists of equal parts of Lethane 384 Special and a white oil of high boiling-point. A suitable perfume, not in excess of 2 per cent., may be added. To secure a thoroughly effective application, the instructions for use should be rigidly followed; the quantity to be applied should not be increased. In general one application only is necessary, especially if the hair is not washed for one week afterwards. A uniform pack of the preparation, with the correct instructions, will be available at all pharmacies throughout the country. Stocks of one of the ingredients (Lethane 384 Special) are being obtained, and it is hoped that supplies of the hair oil will shortly be adequate.

Caps. Liq. Vitamin. A et D Conc.—A reduction in strength has been made necessary by the world shortage of vitamin A. Each 3-min. capsule now contains 4,500 units of vitamin A and 450 units of vitamin D.

Lot. Calamin. Oleos.—Wool fat and oleic acid have been added to lot. calamin. oleos., in the preparation of which it is important to observe the order of compounding given with the formula.

Mist. Alba.—The dose of sodium sulphate has been reduced to gr. 40. An amendment slip, which can be gummed into the Formulary, will be available for all N.W.F. users from H.M. Stationery Office and booksellers.

BULK PRODUCTION OF CULTURE MEDIA

THE photographs on this and the opposite page were taken at a London County Council laboratory which has been specially equipped for the bulk production of culture media and other bacteriological products for use in their own laboratories and by Army and Ministry of Health laboratories in London and the provinces. The culture media are packed in special standardised screw-capped bottles which allow them to be kept indefinitely and to be easily transported in large amounts. All the ingredients used are thoroughly tested and the work of preparation and sterilisation is carried out under expert supervision. The laboratory produces a wide range of culture media, each medium being easily identifiable by the use of a specially-coloured bottle cap or coloured beads. Various sizes of containers are used, the smallest holding 2 c.c. of medium as compared with 5 c.c. in the ordinary test tubes, thereby effecting a considerable saving of materials. Cultures may be introduced directly into the smaller bottles, but where petri dishes are used the medium can easily be poured from the larger containers after melting on a water-bath. Considerable quantities of bottles—about three-quarters of a million—are used in the course of a year.

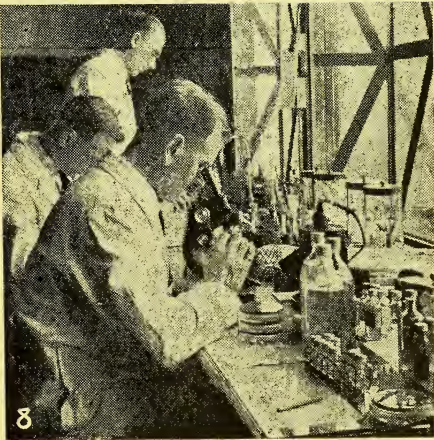
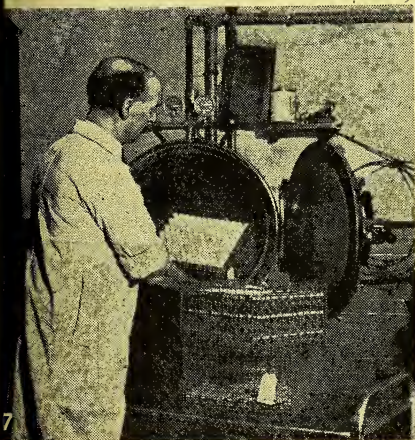


1, Major J. E. McCartney, R.A.M.C. (Director of the Laboratory) giving instruction in one of the rooms. 2, The media manufacturing room: capping solutions for intravenous use. 3, Manufacturing nutrient broth: filtration of the digested meat.





4. Filling bottles of culture media. 5, Part of the packing room. 6, Filling bottles with nutrient agar. 7, Sterilising bottles of culture media. 8, A corner of the bacteriological laboratory.



WHAT IS A CORDIAL?

At Aylesbury, recently, Stead Products, Ltd., brought an appeal before the Bucks Quarter Sessions Appeals Committee against a conviction by the Slough justices. The appellants had been charged by an inspector of the Bucks County Council with selling orange-flavoured drink containing sulphur dioxide—an added preservative—contrary to the Public Health (Preservatives in Food) Regulations, 1926–1940, and Sections 8 and 101 of the Food and Drugs Act, 1938, and convicted. It was against that decision that they appealed.

Neither Fruit Juice Nor Sugar

Mr. Garland, counsel for respondents, outlined the case for the County Council, and pointed out that this orange-flavoured drink consisted of water, 98.30 per cent.; citric acid, 1.54 per cent.; dulcin, 0.04 per cent.; oil, dye, etc., 0.07 per cent.; and mineral matter, 0.05 per cent., and sulphur dioxide, a preservative, 180 parts per million. Mr. Garland said the Preservatives in Food Regulations prohibited the use of preservatives except in a small number of foodstuffs set out in the Schedule. The only item he need trouble the Committee with was No. 5 in the schedule, namely, "non-alcoholic wines, cordials and fruit juices, sweetened or unsweetened." These were permitted to contain either sulphur dioxide or benzoic acid in limited quantities; this addition was rendered necessary in order to prevent fermentation of the fruit juices and the sugar. In this drink there was neither fruit juice nor sugar to ferment. Mr. Garland pointed out that there were three points taken in the Court below which were rejected by the Justices, viz.: (1) that the Preservative Regulations were no longer in force; (2) that the article was a cordial; (3) that they had a licence to manufacture it from the Ministry of Food, which licence authorised the formula.

Regulations Not Repealed

Sir George Jones, on behalf of the appellants, suggested that at this stage the Committee should deal with his submission, which was a point of law, that the Preservatives in Food Regulations had been repealed by the 1938 Act and were no longer in force. After a long legal argument, the chairman announced that the Committee ruled that the Regulations were still in force by virtue of Sections 8 and 101 of the Food and Drugs Act, 1938.

Mr. Eric Voelcker gave details of his analysis and said that in his opinion the article could not be called a cordial owing to the absence of sugar. He was cross-examined at great length by Sir George Jones on the dictionary definitions of the word "cordial." Dr. H. E. Cox, another public analyst, supported Mr. Voelcker's contentions. Mr. E. M. Hugh Jones, of the Ministry of Food, stated that the appellants were licensed to manufacture soft drinks. The licence did not cover any formula or label. The application for a licence required the appellants to submit a list of materials used, but the licence in no way gave approval to any formula.

Sir George Jones submitted that the article was a cordial—any refreshing aromatic drink would be properly described as a cordial. The appellants were required to obtain a licence to manufacture their product under the Soft Drinks (Licensing and Control) Order; they had that licence. In applying for it they were required to submit a list of the materials used; therefore the Ministry of Food knew exactly what was going into their product. In the later Order controlling the labelling of soft drinks they had received from the Soft Drinks Industry (War-Time) Association Ltd., specimen labels for their use. These labels contained the word "cordial."

Analysts Disagree

Evidence was given for the appellants by Mr. F. W. Edwards, public analyst for Westminster and Kensington, who said while he agreed with the analysis he disagreed with Mr. Voelcker that a cordial should contain sugar; any aromatic refreshing drink was a cordial. He agreed that a cordial should be stimulating and invigorating physically.

Mr. Edwards's evidence was supported by Mr. A. E. Parkes, public analyst for Westminster and other London boroughs.

Mr. D. G. Smith, a director and chief chemist of the appellant company, also gave evidence, and said that he considered the article a flavoured cordial. A list of the ingredients had been supplied to the Ministry of Food and he was of the opinion that the licence covered the formula. He admitted that his company had been manufacturing only since March 1942; they had dropped the use of the word "cordial" some time ago on the advice of experts after a number of other firms had been prosecuted

they were now using new labels in accordance with the specimen labels issued by the Soft Drinks Industry (War-time) Association, Ltd.; these labels did not include the word "cordial."

In giving the decision of the Appeals Committee, the Chairman said: "The whole question turns on whether this drink is a cordial or not. We find as a fact that in order to be a cordial it must have a stimulating or invigorating effect. There is nothing in this particular drink which could have that effect, and we do not therefore consider that it is a cordial. The appeal will be dismissed with costs."

Sir George Jones asked if the Committee could be prepared to state a case on his next submission. The Chairman agreed, if the usual formalities were complied with.

LEGAL REPORTS

Dangerous Drugs Act.—At Epsom, on February 15, Dr. A. G. D. Gavin, Leatherhead, answered three summonses for failing to keep a proper register of dangerous drugs purchased by him. A fine of £5 was imposed on each summons on the understanding that the defendant would take medical treatment.

Saccharin Tablets.—At Liverpool Police Court, on February 18, Harry Clifford Foot, trading as H. Foot & Co., Braunton Road, Aigburth, was fined £11 for selling saccharin full-strength tablets at a price exceeding the maximum and for offering saccharin tablets for sale at a price exceeding the maximum. It was stated by the prosecution that the summonses involved the wholesale sale of about 60,000 full-strength tablets. The maximum price was 6s. 3d. per 1,000, but Foot had sold 50,000 at 6s. 6d. per 1,000 and the rest at 9s. 6d. per 1,000 to a man in Scotland. The total surcharge was £7 18s. The summons for offering for sale resulted from an advertisement offering 200,000 tablets for sale or exchange for razor blades.

"RURAL CHEMIST" WRITES TO "DAILY TELEGRAPH."—Under the heading "State dispensaries" there appeared in the "Daily Telegraph" (February 24) a letter from a pharmacist who signed himself "Rural chemist." Handling 2,750 insurance prescriptions annually, he argued that N.H.I. dispensing was at present subsidised by other branches of the business, particularly private dispensing, and under a comprehensive N.H.I. service he would not be justified in maintaining the department.

COMPANY NEWS

BERSEL MANUFACTURING CO., LTD. (P.C.).—Capital £10,000. Manufacturers, importers and exporters of and dealers in soap, toilet requisites, etc. Ben H. and Mrs. M. Berry, directors. R.O.: Lawrence Works, West Green Road, London, N.15.

ICKNIELD BOURNE, LTD. (P.C.).—Capital £100. Manufacturers of and dealers in perfumes, toilet preparations, chemical, photographic, surgical and hospital equipment, etc. Directors not named. R.O.: 73 Basinghall Street, London, E.C.2.

W. B. HULME (CHEMIST), LTD. (P.C.).—Capital £2,000. To acquire the business of a chemist and druggist carried on by W. B. Hulme, Chesterton, Staffs, and elsewhere. William B. Hulme, M.P.S., and Eveline E. Hulme, directors. R.O.: 117 London Road, Chesterton.

E. G. HOWELL & SONS, LTD. (P.C.).—Capital £5,000. To acquire the business of a chemist and druggist carried on by Edmund G. Howell at 130 Queen Street and 37 Whitchurch Road, Cardiff. Directors not named. Solicitors: Heard, Skinner & Clogg, 5 Windsor Place, Cardiff.

BRITISH HERBALISTS' UNION, LTD.—Limited by guarantee, without share capital. To unite medical herbalists in the British Empire and protect the interests of the profession, etc. First members of Council: Norman Carter, *President*; Douglas W. Craig, *Vice-president*; Fred Henley, *Treasurer*. R.O.: 8 Church Lane, Southwick, Sussex.

JOSEPH NATHAN & CO., LTD.—Dividend of 10 per cent., less income tax, has been declared on ordinary shares for year ended September 30, 1942 (same as in previous year).

COMING EVENTS

Wednesday, March 3

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Fraser's Restaurant, 35 Muir Street, Motherwell, at 3 p.m. District meeting.

ROYAL SOCIETY OF ARTS, John Adam Street, Adelphi, London, W.C.2, at 1.45 p.m. Dr. J. D. Robertson on "Calcium."

Thursday, March 4

NORTH STAFFS BRANCH OF THE PHARMACEUTICAL SOCIETY, Grand Hotel, Hanley, at 3 p.m. Mr. H. C. Shaw (a member of Council), on "Present-day Problems in Pharmacy."

POWERS OF SOFT DRINKS ASSOCIATION

THE powers vested in the directors of the Soft Drinks (War-time) Association were called in question by Major Procter and Mr. Hugh N. Linstead in the House of Commons on February 16. The Parliamentary Secretary to the Ministry of Food had stated in reply to an earlier question that the effects of the concentration scheme in the industry 'would not, in his opinion, be to transfer all the assets of some 1,400 manufacturers to a committee with dictatorial powers. Major Procter now expanded his arguments.

Unparalleled Proposals

He said, among other things: In the articles of association, for the first time so far as I have been able to discover, a company limited by guarantee is sponsored by the Ministry to carry out proposals which, so far as my experience has enabled me to discover, are unparalleled. The proposals make such provisions that everyone who becomes a member of it is at the mercy of a committee, who are not democratically elected but have been chosen by the Ministry and put before the part of the trade which was called to look at them and approve them. They had no powers of rejection. They were simply given the right to acquiesce in the appointment of the governing directors of this new company. There was no power given to nominate other persons. On page 4 the reader will see:—

"Scheme for the regulation of the soft drinks industry' means any scheme whereby, upon the terms of the scheme, provision is made for all or any of the following matters as respects all the manufacturers or (as the case may be) as respects such of them as are intended to be affected by the scheme."

On page 5 we find the words, to make

"arrangements under which the manufacturers are to place at the disposal of or make over to the company or to manufacturers specified by the company the staff employed, and the vehicles, stocks of spare parts, and of fuel, equipment, premises and things used by them for or in connexion with the transport and distribution of soft drinks."

If the Minister will turn to page 6 under (j), he will find:

"for limiting or regulating the sale or disposal of the assets of manufacturers."

By Article 9, a member is at the mercy of

the committee, which can demand resignation without assigning a reason, when a member is forced to resign he is still liable for the debts of the association. Under 12 (a) this same elected body has full power to alter terms of the scheme without giving members an opportunity of voting. Under 12 (e) the committee have full power to borrow unlimited money on any terms they think fit. They can mortgage, dispose or sell the whole of a member's assets without seeking the approval of the members. In Article 23 power is given to the committee to vote in respect of any contract in which it is interested, which is a thing unheard of in ordinary business circles. It also gives the right to this Government-appointed committee to draw remuneration and expenses without these being voted at a general meeting. Under Article 40, if a member has left the company, voluntarily or compulsorily, their property can still be sold for the benefit of the company. When a member leaves the company he forfeits the right to draw any profit that may be standing to his credit. On August 3, the Parliamentary Secretary said this scheme had the overwhelming approval of the majority of "the responsible elements" of the trade. I maintain that the responsible elements are the big people in the trade.

Principles of Concentration

Mr. Linstead said: This is one of the concentration schemes that we have to accept as inevitable in war-time, I suggest that there are three principles which ought to govern their operation. One is that the scheme should do nothing which is not essential for war purposes. The second is that there should be no handing-over of concentrated firms to the tender mercies of their competitors. The third principle, just as important, is that there should be no suspicion that such a scheme involves the handing-over of firms to their competitors. One must recognise in connexion with this scheme that sober-minded members of the trade are firmly of the opinion that they are being delivered into the hands of their competitors. The opinion may be right or wrong, but the suspicion is there, and it is for the Minister to remove not only the suspicion but the actuality, if it exists.

the association looking after the interests of these people asks for four things: That the committee shall be democratically elected; a free vote of all the firms in the trade; that the committee shall be required to publish the full accounts of the War-time Association for the information of all firms; that closed firms shall be represented on the committee of the Association by representatives of closed firms; and that there shall not be the farce of closed firms represented by a firm which remains in business. They finally ask that the chairman of the War-time Association shall be an independent person, appointed by the Minister from outside the industry. We hope that the Parliamentary Secretary will be able to satisfy us on those four points.

Assurance Given

The Parliamentary Secretary to the Ministry of Food (Mr. Mabane): I can give one assurance at once. It is certainly the intention of the Department that no small man should be handed over to a larger competitor as a result of this scheme. It was some time, as stated, after the inauguration of the War-time Association that the scheme was prepared and announced. It is a very considerable document, that has been compiled with the greatest care in order that the proper interests of all concerned shall be properly guarded. The effect of publication of the scheme was quite remarkable—the position substantially disappeared. There is an overriding consideration. That is, the executive committee of the War-time Association is composed of twelve members from the trade and two members representing the Ministry of Food, and those members have an overriding vote. They are responsible to the Minister, and the Minister is responsible to this House. In the summer of last year a meeting was held, which was attended by 150 representatives of the soft drinks industry. It has been previously recognised by the national associations that they could not agree on a scheme, and that, therefore, it was better that the Ministry should prepare a scheme and form a War-time Association. At this meeting a committee was elected. The Department suggested five names of representatives of the trade. The meeting could have accepted or rejected those names, and could have put forward other names. There was no time for conclusion of the debate, which was adjourned "without question put."

PARLIAMENTARY NEWS

Beveridge Report.—Among the Government speakers in the House of Commons debate on the Beveridge Report on February 17 was the Chancellor of the Exchequer (Sir Kingsley Wood). He dealt briefly with—among other things—the assumption that a universal medical service would be provided. He said the Minister of Health and Secretary for Scotland would immediately begin negotiations with the medical profession on the lines set forth in the Report. The task of both was considerable, and the setting-up of this new system would take a considerable time.

On the following day Mr. Herbert Morrison stated that the Government did not intend to destroy the institution of voluntary hospitals.

Prices of Neo-arsphenamine.—Dr. Morgan asked the President of the Board of Trade on February 16 what were the present prices of ampoules of neo-arsphenamine; how the war prices compared with prices in pre-war years; whether the prices quoted by the manufacturer were net, without discount, despite the fact that there was no purchase tax on the drug; and why the price was cheaper in British Colonies and other parts of the world than in Great Britain.

Mr. Peat: I have been asked to reply. The present prices which would be charged by retail pharmacists when a prescription is being dispensed are as follows:—

Grams	s.	d.	Grams	s.	d.
0.05	..	1 0	0.45	..	4 0
0.1	1 0	0.6	5 0
0.15	..	1 6	0.75	..	6 0
0.3	3 0	0.9	7 0

These prices do not exceed pre-war prices. The manufacturers allow the retailers a trade discount. Lower prices are charged to hospitals and clinics and under Government contracts. I am informed that it has been the custom of the trade to reduce prices for the Colonial market to compete with drugs of foreign origin.

Drugs for Venereal Disease.—Dr. Morgan asked the Minister of Health on February 9 why the "less poisonous and more efficient drug" used for anti-syphilitic treatment, mapharside, which was cheaper than less stable arsenical preparations still on the market, in spite of an imposed 25 per cent. purchase tax, was not being used sufficiently in Great Britain; was it recommended by his Department; and, if not, for what reasons?

Mr. E. Brown: The choice of anti-syphilitic drugs for the treatment of

civilians is in the discretion of individual medical officers in charge of treatment centres. It is not the practice of my Department to recommend particular preparations for use in such centres, but I am advised that the claim that this preparation is less poisonous and more efficient is not substantiated by the evidence.

Restricted Manufacture of Vitamin B Foods.—Mr. Leach asked the Parliamentary Secretary to the Ministry of Food on February 9 whether he was aware that the milling firm of Carr, Ltd., Carlisle, which had been making a vitamin B food for the past two and a half years, had been ordered to cease production and offer its supplies of wheat germ to a competitor firm that did no milling; what extra transport was entailed in transporting the wheat germ from Carlisle to the South of England, processing and packing it there and sending it North for distribution; and whether he would take steps to annul the arrangement.

Mr. Mabane: I am aware of the fact that the firm . . . , subsequent to the outbreak of hostilities, commenced marketing a vitamin B food similar to other brands which had been in production for some years. So long as white flour continued in distribution and germ was available, no restriction was placed on the operation, but with the advent of national flour, in which the germ is included, supplies of germ for manufacturers became short. It was decided to permit only pre-war manufacturers of vitamin B foods to operate.

INSURANCE ACT DISPENSING

Bournemouth.—In the Insurance Committee's area ninety-one chemists' shops provided dispensing facilities in 1942. Additional strain was naturally thrown on depleted staffs by war conditions, but little inconvenience has been occasioned to the insured population, states the annual report.

Walsall.—The Insurance Committee is faced with the possibility that several chemists' shops may no longer be available for dispensing prescriptions. In each instance the local manager has gone elsewhere and the shop has become a drug store. The changes have not been before the Pharmaceutical War Committee, which therefore has no official knowledge of what had taken place. It has therefore been arranged that contact should be made with the Pharmaceutical Committee with a view to taking action.

PERSONALITIES

ALDERMAN B. HOLDEN, M.P.S., has been appointed a member of Blackburn Licensing Committee.

SERGEANT GEORGE F. NEIL, R.A.M. M.P.S., formerly of Bank Street, Glasgow, is reported missing at sea.

MR. WILLIAM J. HEATRICK, Ph.C., Clontarf, Belfast, was recently installed Worshipful Master of Ardmore Masonic Lodge, Belfast.

Mr. J. J. CURTIS, who has been on staff of Johnson & Sons, Manufacturers Chemists, Ltd., of Hendon Way, London, N.W., for the past forty-six years, is recently retired.

MR. R. G. WINCHESTER, M.P.S., Fyfe Park Terrace, Port Glasgow, addresses members of the Clune Park Guilds of Pharmacy Society, Port Glasgow, recently, on "The Art of the Apothecary."

MR. RICHARD FERRAR TIMONEY, who received gold-medal marks at the January Licence examination of the Pharmaceutical Society of Ireland (*C. & D.*, February 6, p. 131), is a son of Mr. Frank T. Timoney, M.P.S.I., 60 Capel Street, Dublin.

MR. GWILYM H. HUGHES, M.P.S., Clontarf, has been elected a member of local town council. Mr. Hughes is treasurer and a former president of the Angle and North Carnarvonshire Branch of the Pharmaceutical Society and a member of the Carnarvonshire Pharmaceutical Committee.

LIEUTENANT ALEXANDER ANDERSON, chemist and druggist, Rocklands, Peterculter, Aberdeenshire, is officially reported prisoner of war interned in Malaya by Japanese. Lieutenant Anderson, who was in the Punjab regiment, served during the whole of the Malaya campaign, and Singapore. His apprenticeship was served with Messrs. Davidson & Kay, Aberdeen. He qualified in 1934 and was representative in Scotland for Glaxo Laboratories, Ltd., before going five years ago to Bombay to represent the company in India.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising subscriptions should be sent to the C. & D., 17 Argyle Street, Bath, Somerset.

BIRTHS

CUSSONS.—At 11 Randolph Crescent, Edinburgh, on February 15, the wife of the Cussons (Cussons, Sons & Co., Ltd., 100, Dale Vale, Manchester), Coruanan Farm House by Fort William, of a son.

HEPBURN.—At Edinburgh, on February 15, the wife of Private Frank Hepburn, S., 14 Earlstoun Place, of a son.

DEATHS

BOYLE.—At Forfar, on February 14, Mr. James Wood Boyle, M.P.S., West High Street, aged fifty-nine.

BROWN.—Recently, Mr. Robert Archibald Brown, M.P.S., 323 London Lane, London, Middlesex, aged fifty-three.

COCKS.—Recently, Mr. James Cocks, S., Haroldene, Kingskerswell, Newton Heath, aged eighty-four.

CUSSONS.—At a nursing home in Edinburgh, on February 17, Winsome Melrose, the wife of Mr. Leslie Cussons, Coruanan Farm House by Fort William, aged thirty.

RHYS.—Recently, Mr. Morgan Rhys, M.P.S., Station Road, Woodford Green, Rugby, aged seventy-one.

EASTWOOD.—Recently, Mr. Horace Eastwood, retired chemist and druggist, 27 Pelier Avenue, Blackpool, aged fifty-three.

JAMES.—Recently, Mr. Archibald James, M.P.S., 14 Melbourne Road, London, W.2, aged seventy-three.

LAMBERT.—Recently, Mr. John Lambert, Ph.C., Fulwood, Conway Road, Llandudno Bay, aged seventy-six.

HUTCHESON.—At Beaulieu, Inverness, on February 20, Mr. Lewis Hutcheson, M.P.S. Hutcheson qualified in 1909.

LUKE.—At 2 Weymouth Street, London, W.1, on February 23, Baron Luke of Ham, K.B.E., aged sixty-nine. Lord Luke travelled extensively in the British Isles and South America prior to joining the Board of Bovril, Ltd., in 1896. After the death of his father, its founder, in 1900, he became vice-chairman and later chairman and joint managing director. From early days Lord Luke proved himself a practical and practical friend of the voluntary movement. In 1901 he became a member of the committee of King Edward's Hospital for London, and was concerned in

raising fresh sources of revenue for the fund. In 1922 he was chairman of the organising committee of the hospitals of London combined appeal. In 1925 he became chairman of the fund's revenue committee, and in 1929 an honorary secretary of the fund itself. In this capacity he was an *ex-officio* member of all its other committees. From 1909 to 1923 he was honorary treasurer of the Royal Northern Hospital.

LYONS.—Recently, Mr. John King Lyons, M.P.S., 182 Coldharbour Lane, London, S.E.5, aged fifty.

McLAREN.—At Sunderland, recently, Mr. John McLaren, M.P.S., 63 Sunderland Road, Southwick, aged seventy-six. At an inquiry into the circumstances attending the death of Mr. McLaren, on February 18, it was ascertained that he accidentally fell and fractured his thigh. He was conveyed to hospital but did not recover from his injuries.

STEVENSON.—Recently, Mr. Rufus Henry Streatfeild Stevenson, M.P.S., Wild Boars, Penshurst, Kent, aged sixty-four.

RECENT WILLS

MR. HARRY OXLEY, chemist and druggist, 2 The Close, Connaught Avenue, Grays, Essex, who died on November 11, 1942, left £631.

MR. PATRICK BURR, M.P.S., 3 Westburn Drive, Aberdeen, who died on October 30, 1942, left personal estate in Great Britain valued at £9,030.

MR. WILLIAM GARDNER, M.P.S., Orchardlea, Limekilns, Fife, formerly of Edinburgh, who died on May 17, 1942, left personal estate in Great Britain valued at £5,386.

MR. BERNARD HEDDLE, M.P.S., 69 Albert Street, Kirkwall, Orkney (proprietor of Stewart & Heddle and D. M. Wright, Kirkwall), who died on June 26, 1942, left personal estate in Great Britain valued at £10,600.

MR. JOHN SOLEY BREESE, Ph.C., 61 Brighton Grove, Rusholme, Manchester, who died on November 13, 1942, left estate "so far as can at present be ascertained" of the value of £13,089 gross, with net personalty £11,309.

MR. CUTLER AMBROSE JONES, 77 Albermarle Road, Beckenham, Kent (a director of White, Tomkins & Courage, Ltd., and other companies), who died on September 28, 1942, left £34,673 gross, with net personalty £31,283.



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The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

A National Call

IN SPITE of the efforts made by all sections of the community there is a weekly deficit of several thousand tons of waste paper for war needs: 100,000 tons are now urgently needed. With the much-reduced amount of paper being put into circulation the day-to-day collections of waste have suffered. Therefore an intensive effort has to be made to salvage accumulations of business houses and manufacturing concerns. It is estimated that there are still hundreds of thousands of tons of waste paper yet to be obtained from these sources. Every business is urged to appoint a member of its staff as salvage officer. He should explore every possible opportunity of turning out all old and mainly obsolete records, correspondence files, account books, out-of-date reference books and trade catalogues, old invoices, receipts, cheques, copy estimates, etc. He should get into touch with local waste-paper merchant who will supply lists, collect and pay the following rates for waste: ledgers, 8s. (without covers, 11s. 6d.), correspondence, invoices, records, catalogues, books, etc., 7s.; mixed waste, 4s. per cwt.

This appeal is made to meet an urgent national need.

Torula Utilis

THE present publicity regarding *Torula utilis* yeast shows the wide gap between the chemist and the politician. Several years ago the full details for the large-scale manufacture of protein using this species of yeast were worked out by British chemists, who have developed methods first tried by the Germans while the last war was in progress.

Two Years' Delay

When, in 1940, the course of events of the present war showed that for years to come there would be a serious shortage of animal protein in this country and elsewhere, the scheme for obtaining this protein quickly and efficiently from readily available material was waiting to be adopted. After two years' delay we now hear that the decision has at last been taken to set up a plant for the large-scale cultivation of *Torula utilis* in the West Indies. The publicity now being given to this decision, probably for political reasons, fails to disclose the time-lag, which would scarcely enhance the politicians' prestige. Moreover, the haste to exploit the advantages of publicity has unfortunately led to the broadcasting of an incomplete report. No mention at all has been made of the most important point—that this species of yeast provides the most efficient method yet available of synthesising protein, which forms an essential part of the diet of human beings.

Valuable Food

Using a mixture of ammonium salts, phosphate and simple sugar, *Torula utilis* is able, when grown in well-aerated media at a suitable pH, to produce large quantities of protein of high biological value, which feeding experiments have shown may supplement the common vegetable proteins and thus provide a biologically complete protein mixture. This yeast can actually make use of pentoses which are not attacked by ordinary yeast and which cannot be directly utilised by the human or animal digestive tract. Thus *Torula utilis* provides the opportunity to utilise large amounts of valuable food which would otherwise be wasted. It is, indeed, well-named *Torula utilis*.

CHARTER CENTENARY COMMEMORATION

To commemorate the centenary of the Charter of the Pharmaceutical Society of Great Britain a special meeting was held at 17 Bloomsbury Square, London, W.C.1, on February 18, when THE PRESIDENT (Mr. W. Spencer Howells) delivered an address in which he reviewed the Royal Charter in its historical setting. MR. P. F. ROWSELL (a past-president and a member of the Council) occupied the chair. He read the following congratulatory messages:

"Congratulations upon work achieved in the past century. High hopes for pharmacy in the future.—Saville Peck, Cambridge."

"Hearty congratulations Centenary Charter gathering. All good wishes.—Hugh Wallis."

"Members of the Society present at a meeting in Sheffield this afternoon send very hearty greetings to the President on the celebration of the Centenary of the Royal Charter being granted to the Pharmaceutical Society of Great Britain.—C. S. Cross."

MR. ROWSELL said that, as chairman of the Education Committee, he had great satisfaction in announcing the Council's decision to institute a travelling scholarship to commemorate the Centenary. The scholarship would enable students to obtain experience of pharmacy in other lands. The Education Committee had been charged by the Council to bring forward a scheme to put the scholarship into operation, and he hoped that an interchange of scholarships internationally might be brought about.

Steps Leading to Grant of Charter

THE PRESIDENT, in his address, set forth the steps leading to the grant of the Charter. In the first half of the nineteenth century the physicians had been unwilling witnesses of the apothecaries' metamorphosis of practice from pharmacy to medicine, and regarded chemists and druggists with suspicion and alarm. Attempts were made to control or repress the druggist on the ostensible ground of his lack of systematic education and examination. Organised resistance to one such attempt led to the formation of the Pharmaceutical Society in April 1841. This differed from earlier organisations of chemists and druggists in that its primary concern was not preservation of druggists' rights and privileges, but destruction of the basis for the arguments used by those in opposition to the druggists. The enlightened outlook of those governing the Society in its earliest days was well

expressed at an interview, in December 1841, of representatives of the Council with the then Home Secretary (Sir James Graham), when the question of the Society's desire for a royal charter of incorporation was raised. The deputation said it was intention to apply when plans were more fully matured, so as to ensure that granting of a charter would benefit the community at large no less than the party to whom it was granted. In a report of the Council to the first annual meeting of the Society, on May 17, 1842, it was shown that all the projects of the Society were reaching maturity. The benevolent fund, library, museum, school of pharmacy, and evening meetings "for scientific reading and discussion" had all been established; transactions of the Society were being published periodically, and plans had been proposed for the conduct of examinations which were to come into force after July 1842. The Council appointed examiners in July 6 and also at this meeting directed that a petition for a charter of incorporation should be prepared.

"Perpetual Succession"

Surprise had sometimes been expressed that the Society should have received a charter within two years of its foundation. The early grant might partly be attributed to the Society's good fortune in prevailing upon William Allen to become its first president—a man renowned as scientist, educationist, member and founder of learned societies. The effect of incorporation, legally, was to invest the Society with a personality of its own, unaffected by changes in the membership of the Society or the Council. In the words of the Charter, the Society had "Perpetual Succession." The Society could be dissolved only by the complicated legal process of surrendering the Charter and its constitution could not be varied except by a supplementary charter or an Act of Parliament. Changes that had been effected in the Charter's provisions had been brought about by a series of statutes commencing with the Pharmacy Act, 1852 and leading up to the Pharmacy and Medicines Act, 1941. By these the objects, powers, and duties of the Society had been extended to include:—

1. The appointment of a registrar who is required to keep registers of pharmacists

chemists, chemists and druggists, and premises where authorised sellers of poisons carry their businesses so far as they comprise the retail sale of drugs.

2. Enforcement of particular provisions of the Pharmacy and Poisons Act, 1933, and the Pharmacy and Medicines Act, 1941.

The Council was no longer empowered to remove members from the Society because of unfitness to continue as such. The powers were exercised by a Statutory Committee, presided over by a person appointed by the Privy Council.

Future

The whole future of the pharmacist was tied up with the educational ideals of the Society's founders, and he looked back to the days when industrial excellence would contribute much more substantially to pharmaceutical education than hitherto. From the time of granting the Charter the expression "Those who are on the business of chemists and druggists" had included persons who were not members of the Society. It would be curious if those non-members asked for the protection of the Society. This possibility might be met by an Act of Parliament or a supplementary charter extending and giving "protection" to all members, or by expunging "protection" from the Charter. He favoured the first alternative. The Pharmacy Act, 1868, and subsequent amendments of the Society was charged with extensive powers relating to the distribution of poisons, and by the Pharmacy and Medicines Act, 1941, with the duty of enforcing certain provisions of the Act. The question of broadening those activities further was one which should be fully considered by the Society as a matter of long-term policy. The president concluded with three questions for consideration in the immediate post-war period:—

1. Should the education of pharmacists be linked to a greater extent than hitherto in all phases of modern development in the large-scale manufacture of medicines?

2. Should the Society's policy in endeavouring to act in the interests of its members be formally ratified by amending the chartered object of "the protection of those who carry on the business of chemists and druggists" to "the protection of members of the Society?"

3. Should the Society's long-term policy be directed to extending or limiting its participation in the enforcement of the law?

The Chairman conveyed to the president the members' sincere thanks for his able and interesting address.

RECENT RESEARCH

Chemistry of Antiseptics.—Albert ("Lancet," 1942. II. 633), in discussing the relation of the chemistry and physics of antiseptics to their germicidal activity, attaches importance to chemical action of a very simple kind, such as neutralisation and ion-exchange reactions. He uses the terms anionic and cationic antiseptics to distinguish two types of ion-exchange agents, and predicts the discovery of many new antiseptics from considerations of resonance. He also puts forward the theory that presence of high surface-activity in disinfectants is what distinguishes them from bacteriostatic agents.

Disguising the Taste of Medicaments.—A method of comparing the taste-concealing properties of pharmaceutical vehicles has been devised by Purdum ("Journal of the American Pharmaceutical Association," xxxi. 10. 298). The method is based on ascertaining the threshold of taste. With aqueous solutions the taster has simply to decide whether the solution in question is tasteless or possesses a flavour. With other vehicles it is necessary for him to determine whether the medicinal solution has a flavour exactly like or different from that of the vehicle alone. The relative usefulness as agents of nineteen vehicles in disguising the tastes of ammonium chloride and quinine hydrochloride is assessed, and the conclusion is reached that the syrups of liquorice; raspberry and orange flowers; citric acid; and balsam tolu offer the best disguises for the former, and syrup of prepared cacao, N.F. VI; syrup of liquorice; syrup of cocoa, N.F.V; and aromatic syrup of eriodictyon for the latter.

Pharmaceutical Wines.—A method of detannating alcoholic preparations with activated charcoal is described and discussed by Ross in the "American Journal of Pharmacy" (1942. II. 200). The procedure is to stir the wine with a paddle or suitable mechanical stirrer, while slowly adding the charcoal, using about one grain to each fluid ounce. Stirring is continued for fifteen to thirty minutes before filtering.—A method of detecting the presence of caramel in wines is described by Milos (April, p. 138). To two separate portions of 25 mls of wine in a 250-ml Erlenmeyer flask, 50 mls 95 per cent. ethyl alcohol and 50 mls ethyl ether are added. In the presence of appreciable quantities of caramel an amorphous precipitate forms on the bottom of the flask within a few hours.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

THE monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held at 73 University Street, Belfast, on February 19, the president (Mr. H. F. Moore) in the chair. The attendance included Messrs. J. T. Nicholl (vice-president), C. Abernethy (treasurer), James Glendinning, W. C. Tate, J. McDowell, John McGregor, J. Donaghy, J. W. Gray, J.P., H. H. Cowzer, S. H. Forrest, James Irwin, J. E. Connor, J.P., Dr. S. E. A. Acheson, Professor E. C. Mayrs, Sir Thomas McMullan, D.L., and the secretary (Mr. D. L. Kirkpatrick). Prior to the commencement of the business Mr. J. T. NICHOLL moved a vote of sympathy with the president, who had lost his brother in tragic circumstances, and with Mr. J. Irwin, who had lost his mother since the last meeting of the Council. Both gentlemen suitably replied.

On the motion of MR. J. DONAGHY, seconded by MR. S. H. FORREST, the Council endorsed the action of the Education Committee in granting leave of absence to Miss Roulston, who had offered her services in the W.R.N.S. It was also agreed that her position as assistant to the secretary be kept open.

Poisons Schedule

On the motion of MR. C. ABERNETHY, seconded by MR. J. GLENDINNING, it was agreed by the Council to forward a resolution to the Ministry of Home Affairs requesting that an organic compound of mercury and its preparations be placed in Part II, Fourth Schedule, of the Pharmacy and Poisons Act (N.I.), 1925.

On the question of filling a vacancy on the Council for a druggist representative the Council's solicitor, Mr. M. Davison, was present and gave his advice on the matter. The members of the Council agreed to have the matter raised again at the next meeting of the Council, and to take action as regards having the situation which had arisen in connexion with this matter cleared up by an addition to Rule 44.

The Council agreed that the name of Mrs. Sarah Jean Orr, 90 Deramore Avenue, Ormeau Road, Belfast, be placed on the Register of Pharmaceutical Chemists in Northern Ireland in accordance with Part II, Sec. 7, of the Pharmacy and Poisons Act (N.I.), 1925, and the regulations thereunder, she having paid the fee and

conformed to the regulations. This was done on the proposal of MR. C. ABERNETHY seconded by MR. J. T. NICHOLL.

Refresher Course Proposed

MR. JAMES McDOWELL asked if there was any chance of the Council starting a refresher course for members in the Society's headquarters. MR. D. L. KIRKPATRICK said had been tried before but had to be turned down as impracticable, but if Mr. McDowell wished, he (the secretary) would make inquiries if such a course could be arranged at the Technical College. No action was taken in the matter.

On the motion of MR. MCGREGOR seconded by MR. S. H. FORREST, the following were elected members of the Society: Robert James Dixon, Oakvale, Antelope Road, Belfast; Edward Kelly, 27 Fawcett Road, Belfast; James Joseph Kelly, Marshall's Pharmacy, Strabane; James Lavery, 8 Stranmillis Gardens, Belfast; Robert Edmund McKnight, New Street, Donaghadee; Matthew McRoberts, 17 Market Street, Ballyclare; Ronald Northy, Fountain Street, Belfast; Denis Henders Rankin, 11 Hopefield Avenue, Belfast; Francis Joseph Sweeney, Dromalane Road, Newry.

A meeting of the Education Committee was held on February 4. The vice-president (Mr. J. T. Nicholl) was in the chair. There were also present Messrs. H. H. Cowzer, J. McDowell, J. McGregor, and Walter Tate. It was agreed that the Certificate of Apprenticeship to a Pharmaceutical Chemist be granted to the following who had submitted Certificates from the undernoted bodies: *Senior Certificate examination Ministry of Education (N.I.)*.—Mary Angeline Josephine Gilleece, Monica Ita Sweeney. *Senior Leaving certificate, Department of Education, Eire*.—Harold Oswald Cook. *Matriculation examination of the National University of Ireland*.—Gerard Kevin Dragan. It was agreed that the Society's summer examinations should be held in the College of Technology, Belfast, during the week beginning Monday, June 21, and the entries should be accepted up to and including Thursday, May 20, or, with an additional fee of 10s. 6d., up to and including Thursday, May 27. The question of amending the syllabus in order to bring it into conformity with that of Great Britain was held over

Across the World in War-time

Australia and Home.

By Herbert A. Berens, B.A. (Cantab.), F.C.S.

(Concluded from *The C. & D.*, February 13, p. 176)

It is not generally realised even amongst Australians that Australia is only 50,000 sq. miles smaller than the United States of America, and has every variety of altitude and climate, so that it should be found possible to grow most chemicals and crude drugs of value. It is doubtful, however, whether any advantage can be gained by Australia trying to grow

I went, not only from the various chemical and drug firms, but from Government institutions and the Australian universities. Australia is to be congratulated on the keen scientific ability of a band of scientists, mostly young in years, all young in spirit, who are engaged in handling her scientific problems. Up to the present their work has produced magnificent results, due very largely, I think, to the leadership and incentive shown by the Council of Scientific and Industrial Research. Such high praise cannot, I fear, be given to many of the other directing bodies of Australian life.

Appreciations

I cannot conclude this account of Australia without expressing my deep sense of gratitude to my friend, Mr. Bert Haigh, of Townson & Mercer, Sydney, who, throughout my stay in Australia, helped me in every possible way, and whose information and advice were invaluable. He has certainly built for himself a special niche in the Australian chemical trade. I should also like to express my appreciation of the unfailing help and courtesy extended to me by the Australian houses of British firms, and I am especially grateful to Edward Warrick of B.D.H. (Australia) Pty., Ltd., who did more than anyone else (my family excluded) to make me feel at home in Australia.

Homeward Bound

I left Adelaide on July 17, returning by the same neutral boat which had brought me to Melbourne. The voyage was uneventful until we reached San Francisco, where we were "invaded" by the F.B.I. (Federal Bureau of Investigation). For more than thirty hours our life histories were investigated, every paper scrutinised, and our personal belongings examined in the minutest detail. I went to the St. Francis Hotel, known to a friend who accompanied me. My surprise may be imagined when next morning I found in the vestibule a co-director of mine from London. I arrived in New York on August 20, and immediately wrote to Washington to inquire whether it was necessary for me to re-apply for an exit permit or whether one



Mr. and Mrs. Berens and family meet in Australia

the products which can come so readily from India. I do not propose to discuss the chemical industry in Australia, except to state that great strides have been made. The I.C.I. are firmly established; Monsanto has a factory in Victoria and have recently put up a plant for the manufacture of phenylamide in addition to other of the products which they at present manufacture in Australia. I cannot leave this section without words of praise for the very work which has been carried out in the manufacturing field both by Bickfords and Fauldings in Adelaide and Felton, Wadsworth in Melbourne. I should also like to express my appreciation of the help and courtesy which I received everywhere.

could be granted me on the information given when five months earlier I left for Australia. I then went to Canada, returning after ten days, but there was no reply. Eventually I was informed that it was necessary to re-apply. On September 19 I received a letter from the British Purchasing Commission informing me that I had a reservation for the 'plane for the following Monday evening, and I immediately asked the British Embassy for their assistance in obtaining my exit permit. They did all they could but had to tell me that the matter must go through the usual routine channels. The British Purchasing Commission also intervened, but without success. I was therefore obliged to cancel my reservation. Ten hours after the "Clipper" left, a friend of mine was in Washington and went to the Exit Permit Department and found my folder fully completed and

was informed that if he came back in afternoon my exit permit could be given. It was only after a further six weeks I was able to get a ship from New York. When I went to get my clearance pass I was informed that since I had now been in America for more than ninety days year I must pay income tax.

With nine other passengers I left New York on November 4 in a 3,200-ton "fruiter," and although we were chased by a submarine and also left helpless an hour in mid-Atlantic, due to engine trouble, we arrived safely in twelve days thus completing a tour of some 70,000 miles which, under war-time conditions, was crammed full of interest and will remain in my memory. Unlike Puck, I was not thrown a girdle round the earth in five seconds, but then, there was nothing unusual about my trip.

TRADE MARKS

(From "The Trade Marks Journal," February 3)

"CRINAFOAM"; for perfumery and toilet preparations (not medicated) (3). By R. Desvaux & Co., 413 Fulham Palace Road, London, S.W.6. 621,260 (Associated).

"PARAKILL"; for powders for treatment of worms in poultry and for sterilising poultry runs (5). By The Poulbrand Company, 142 Burton Road (near Bridge), West Didsbury, Manchester, 20. 620,060.

"ENDOMOT"; for insect repelling and destroying preparations (5). By Lavapine, Ltd., 31 South Ward Road, Dundee. B620,357.

"DUBEX"; for disinfectants (5). By British Disinfectant Co., South Grove, South Tottenham, London, N.15. 621,149.

"MERBART"; for pharmaceutical substances for human and veterinary use, sanitary substances and poultices (5). By Merbart Products, Ltd., Coventry House, Wycombe Road, Prestwood, Great Missenden, Bucks. 621,181 (Associated).

"VEDEVAN"; for medicated preparations for treatment of the human skin (5). By Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool. 621,228.

"CARDIS"; for charcoal being dietetic food for poultry (5). By Distillation & Carbonisation Co., Ltd., 273 Regent Street, London, W.1. 621,387.

"PANZER"; for safety razor blades (8). By J. H. Perkin, 41 Stanley Road, Wakefield, Yorkshire. 620,312.

"KENUTUF"; for combs, brushes, etc., made of thermo-setting or thermo-plastic materials (21). By J. F. Kenure, Ltd., Fagg's Road, Feltham, Middlesex. 621,060 (Associated).

APPLICATION AMENDMENT

According to "The Trade Marks Journal," February 3, 1943, specification No. 615,389,

by R. Daniel & Son, Ltd., has been altered so as to read "All goods included in Class 3 except vitamin concentrates and vitamin preparations."

(From "The Trade Marks Journal," February 3)

"PERMUTIT"; for preparations for purifying softening water (1) and for water-purifying plants, filters, etc. (2). By The Permutit Ltd., Gunnersbury Avenue, London, W.6. 621,384-85 (Associated).

"ELBECOL"; for washing preparations for textiles and for toilet purposes (3). Elbeco Supplies, Ltd., Vereker Building, Rathbone Place, London, W.1. 620,938.

"MARY WOOD" in triangular design form; non-medicated face creams, toilet lotions and toilet powders (3). By Mary Wood, 29 Winchester Court, Kensington Church Street, London, W.8. 621,143.

"CARPOCLEEN"; for soapless shampooing carpets, etc. (3). By Warner, Harvey & Co., Ltd., Hanover House, 14 Hanover Square, London, W.1. B621,194.

"DORMA"; for dentifrices, essential cosmetic ingredients for baths, talc powder, face powder and cream, all medicated, and for toilet soap, perfume, hair lotions and brillianine (3). By Colgate (England), Ltd., 3 Stratford Place, London, W.1. 621,378 (Associated).

"NUJOL"; for all goods (5) except medicinal and curative preparations for human use. By Stanco Incorporated, 100 West Tenth Street, Wilmington, Delaware, U.S.A. 613,245 (Associated).

"VENUS"; for non-medicated toilet paper, toilet cleansing tissues, etc. (16). By S. Freeder, Granville Paper Mills, Brettenham Road, Upper Edmonton, London, N.16. 619,976.

TRADE REPORT

quotations for pharmaceutical chemicals, crude drugs and essential oils represent prices for wholesale quantities of standard quality. C.i.f. quotations do not include the war risk insurance and other abnormal charges payable in the present emergency

Essex Street, W.C.2, February 24

A volume of business put through in the DRUGS during the past week has been very small, but there is no tendency towards easier prices. The home trading trades continue to provide most of the demand for regular lines, and there is plenty of inquiries for items that are longer available. In PHARMACEUTICAL CHEMICALS, trade has been mainly confined to the filling of routine orders. Prices are steady, and no important developments have occurred in the supply position.

Drugs

Beyond plenty of inquiries for articles in supply, dealers in these commodities have little to report. First-quality AGAR continues to sell slowly for bacteriological but lower grades cannot be had. Rather than interest is being taken in Cape ALOES, the price of which is unchanged. BALSAM OF PINE is at the rather higher level indicated last week, with supplies restricted. BENZONINE is all being sold to consumers at slowly increasing prices. BUCHU LEAVES are in short supply on spot. Odd cases of natural CAMPHOR are being sold to approved buyers at the last-mentioned prices. Quiet continues in CARDAMOMS. CLOVES still, offers meeting with little response. There is occasional business in being done in Cinnamon, but generally this item is neglected.

ACACIA is firm. The position of CAJUANA remains strong, with limited supplies available. MENTHOL continues in steady demand at unchanged rates. Fair quantities have been received for RHUBARB, stocks are dwindling owing to lack of shipments. STROPHANTHUS SEED has been in better demand, and the price is expected to be easier. TRAGACANTH is firm and quiet, with slightly dearer prices for higher grades. WAXES are about unchanged.

Essential Oils

There has been little demand for ESSENTIAL OILS during the week, and practically all prices are unchanged. Supplies of genuine Red Ship ANISE (STAR) are scarce, prices are without change. BAY may be had in small compass at the previously-quoted price. CITRONELLA remains in short supply. English distillers' prices of

CLOVE are unaltered. Spot values of EUCALYPTUS are unchanged, despite the good demand and poor supply position. Small supplies of GINGERGRASS and PETITGRAIN may be had at the prices quoted last week. Buyers of PEPPERMINT still appear to be awaiting information on possible Lease-Lend supplies. No changes have occurred in the controlled prices of FIXED OILS.

Pharmaceutical Chemicals

ACETANILIDE.—B.P.C. crystals, unchanged at 2s. 5d. per lb.; powder, one penny per lb. extra.

ALLOBARBITONE.—Makers' quotations steady at about 64s. per lb.

AMPHETAMINE.—Makers' price steady at around 160s. per lb.

BENZOIC ACID.—May be had for essential pharmaceutical and medicinal purposes at from 2s. 6d. to 3s. per lb., according to quantity.

BISMUTH SALTS.—One-cwt. quantities are quoted by makers as follows: Carbonate, 8s. 9d.; citrate, 10s. 9d.; nitrate (crystals), 5s. 9d.; oxide, 12s. 3d.; salicylate, 9s. 3d.; subchloride, 12s.; subgallate, 11s. 3d.; subnitrate, 7s. 7d.

BORAX.—Makers quote as follows: B.P., granulated, £39 10s. per ton; crystal, £40 10s.; powder, £41. Packed in one-cwt. bags, delivered carriage paid Great Britain, in one-ton lots and upwards. Commercial grades, £8 per ton less.

BROMIDES.—Makers' prices for POTASSIUM have been reduced, as follows:—

Quantity	In parcels of					
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.	
	<i>s.</i>	<i>d.</i>	<i>s.</i>	<i>d.</i>	<i>s.</i>	<i>d.</i>
From 1 lb. . .	3	9½	—	—	—	—
From 4 lb. . .	3	8½	3	6½	—	—
From 7 lb. . .	3	7½	3	5½	3	4½
From 14 lb. . .	3	6½	3	4½	3	3½
From 28 lb. . .	3	5½	3	3½	3	2½

SODIUM, ¾d. per lb. extra; AMMONIUM, 2¾d. per lb. extra; powder, 2d. per lb. extra. W.D.T.A. packing charge applies to packages of less than 1 lb.

BRUCINE.—Makers' prices per oz., in lots of less than 25 oz., are: Alkaloid, 1s. 4½d.; nitrate, 1s. 3½d.; sulphate, 1s. 3½d.

CALCIUM GLUCONATE.—As noted last week (p. 204) makers' prices have been slightly advanced.

CODEINE.—Makers' prices per oz., for 4-oz. lots, are as follows: Alkaloid, 38s. 3d.; phosphate, 31s. 3d.

CITRATES.—Makers' prices for **POTASSIUM**, B.P., are given in table below, and prices of **SODIUM**, B.P., are at one penny lb. below, and **IRON** and **AMMONIUM (SCALES)**, B.P., at three-pence per lb. above the tabulated prices:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb.	3 6	—	—	—	—
From 4 lb. . .	3 5	3 3½	—	—	—
From 7 lb. . .	3 4	3 2½	3 1½	—	—
From 14 lb. . .	3 3	3 1½	3 0½	3 0½	—
28 lb. to 1 cwt.	3 2	3 0½	2 11½	2 11½	2 11

Prices net. All packages charged extra. It is a condition of sale that buyers should not re-sell at prices below the values given.

ETHERS (METHYLATED).—Makers' prices per lb. for winchester quarts are as follows: 0.750, 1s. 5½d.; 0.735, 1s. 5¾d.; 0.730, 1s. 5¾d.; 0.725, 1s. 7¾d.; 0.725 (triply rectified), 2s. 0½d.; 0.720, 1s. 8¾d.; 0.720 (B.P., not for anæsthesia), 1s. 10d.

GALLIC ACID.—Price of moderate supplies would be in the region of 7s. 9d. to 8s. per lb.

HEXAMINE.—Price of free-running crystals, in one-cwt. lots, would be about 2s. 3d. per lb.

MAGNESIUM CARBONATE, HEAVY.—Makers' prices per lb. for 28-lb.-1 cwt. lots are as follows (containers in brackets): 1s. 3d. (28-lb.); 1s. 3½d. (14-lb.); 1s. 3½d. (7-lb.); 1s. 4½d. (4-lb.); 1s. 6d. (1-lb.).

MAGNESIUM CARBONATE, LIGHT.—Quoted by makers at the rates of, for 28-lb.-1 cwt. lots (containers in brackets): 11d. per lb. (28-lb.); 11½d. (14-lb.); 11¾d. (7-lb.); 1s. 0¼d. (4-lb.); 1s. 2d. (1-lb.).

METHYL SALICYLATE.—Quoted by makers as follows: Five cwt., 1s. 11d. per lb.; one cwt., 1s. 11½d.; smaller quantities, in bottles, 2s. 1½d. per lb.

PILOCARPINE.—Makers' prices per oz. are as follows: Base, 1 oz., 27s.; 4 oz., 26s. 6d.; 25 oz., 26s.; hydrochloride, 1 oz., 21s. 3d.; 4 oz., 20s. 9d.; 25 oz., 20s. 3d.; nitrate, 1 oz., 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

SANTONIN.—Current rates for the home trade are as follows: 15 kilos and over, £46 10s.; not less than 10 kilos, £47 5s.; not less than 5 kilos, £48 5s. per kilo, delivered free in the U.K.; 1-kilo packages free.

SODIUM SALICYLATE.—Makers' prices for lots of 28 lb. are as follows (containers in brackets): 2s. 8d. (28-lb.); 2s. 8½d. (14-lb.); 2s. 8¾d. (7-lb.); 2s. 9¼d. (4-lb.); 2s. 11d. (1-lb.).

TANNIC ACID.—In restricted supply; price would be about 8s. to 8s. 3d. per lb., according to quantity.

TERPINEOL.—For medicinal use at from 3s. 6d. to 4s. per lb., according to quantity.

VANILLIN.—Makers' prices are as follows: Ex clove oil or guaiacol, 5-cwt. lots, 22s. 6d. per lb.; one-cwt., 22s. 9d.; 56-lb., 23s.; less than 56-lb., 23s. 3d.

Crude Drugs

AGAR.—Some inquiries are being received for Kobe No. 1 for bacteriological use; price remain at the levels indicated last week.

ALOES.—Inquiry continues for Cape; the spot price remains at 67s. 6d. per cwt., but rather higher figures are mentioned in some quarters. More inquiry has been received for Curaçao, but no business appears to have resulted.

ANTIMONY.—Adequate supplies may be had for essential requirements. Prices are unchanged, with English minimum 99 per cent regulus steady at £120 per ton, and 70 per cent crude for the home trade at £100 per ton delivered.

BALSAMS.—Prices are without quotable change on the week. *Tolu* is at the slightly higher level of 10s. 3d. per lb. indicated recently with supplies restricted. *Canada* is not easy to find, but would be worth 9s. per lb., available. *Peru*, unchanged at 8s. 6d. per lb. *Copaiba*, B.P., is unobtainable.

BELLADONNA.—Indian leaf on the spot remains at from 4s. 9d. to 5s. per lb.

BENZOIN.—The general position is as indicated last week, with consumers taking supplies at unchanged prices. Sumatra alomdy bloc spot, £18 to £25 per cwt.; good seconds, £12 to £19, according to holder and quality. Sumatra free "almonds," £32 to £35.

BISMUTH METAL.—High-grade metal is currently quoted at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU.—In small supply. Fair green round 6s. 6d. paid on spot.

BUCKTHORN BARK.—As noted last week (p. 204) some Russian bark has become available for distribution. The price to consumers £400 per ton.

CAMPHOR.—A few odd cases of natural grades occasionally change hands at the undermentioned prices: Chinese, B.P., spot, 11s. 6d. per lb.; crude, 92 per cent., 10s.; Japanese slabs, 12s. English synthetic may be had by approved buyers at 8s. per lb.

CARDAMOMS.—Quiet conditions continue. Aleppy seed, on spot, would be at 6s. 6d. per lb. shipment, 6s. 6d.; Aleppy greens, spot, 5s. 6d. shipment, 5s. 3d., c.i.f.; split seed, spot, 5s. per lb.

CHILLIES.—Spot, Mombasa, 120s. per cwt. there appears to be no Zanzibar on spot.

CLOVES.—Dull, with Zanzibar offered on spot at 1s. 6½d. per lb.; second quality, 1s. arrive, 1s. per lb., c.i.f.

COCOA BUTTER.—The Ministry of Food maximum price remains at 1s. 5½d. per lb., ex factor or warehouse, except when sold under licence.

COCONUT (DESICATED).—A Ministry of Food Order fixes the maximum price at 49s. per cwt.

DANDELION ROOT.—Very small supplies of Indian may be had on spot at 140s. per cwt. ex store.

DIGITALIS LEAVES.—Portuguese may be had spot at 135s. per cwt.; English-grown, 2s. 4d. lb.

DRAGON'S BLOOD.—Re-boiled is not available. dull Zanzibar drop may be had on spot at per cwt., and seedy lump at £30.

ERGOT.—In some small inquiry, with little business passing. Prices are as follows: Old-p, spot, 5s. 3d. per lb.; part-wormy, 4s. 3d. 6s. 6d. per lb.; shipment, 5s. per lb., c.i.f.

GUM ACACIA.—Firm but without changes in prices. Kordofan cleaned sorts, spot, 95s. per lb.; shipment, 65s. per cwt., c.i.f. Bleached gum would be available for shipment at 130s. per cwt., c.i.f.

HENBANE.—As noted last week (p. 205) some Russian henbane is available to consumers at 10s. per ton.

HEPECACUANHA.—Inquiry is maintained, with business resulting; some consumers now appear to be taking in supplies. Matto Grosso, small compass on spot, from 19s. 6d. to 20s. lb., according to test and holder. Minas, if available, would be at 16s. 6d. to 17s. lb.; under B.P., 15s. 6d. to 15s. 9d. T. HEPECAC. LIQ., steady at the recent advance follows: B.P., 1932, under three, 28s. 6d. lb.; three and under six, 28s.; six and under twelve, 27s. 6d.; twelve and over, 26s. 2s., 1914, under three, 26s. 6d.; three and under six, 26s.; six and under twelve, 25s. 6d.; twelve and over, 25s. per lb., all prices net.

LABORANDI.—Demand remains slow and price unchanged at 60s. per cwt. for small lots on spot.

ALAP.—Brazilian root, 16 per cent. resin, is selling on spot at 105s. per cwt.

KAMALA.—Material yielding 5 per cent. ash may be had on spot at 2s. per lb.

LIQUORICE ROOT.—As noted last week (p. 205) the Russian root is available to consumers at 10s. per ton.

MENTHOL.—Small routine business is reduced, with no price changes. Chinese, spot, 1s. to 77s. 6d. per lb., duty paid, according to holder; Japanese, about half a crown per lb. for these figures.

MERCURY.—Current official prices range from 10s. to £69 15s. per bottle for quantities of 10 to 7 lb.

MYRRH.—In moderate demand at unchanged prices. Aden sorts, spot, £18 to £20 per cwt.

NUX VOMICA.—Demand is quite small. Thin, washed and garbled, continues to be offered on spot at 42s. 6d. per cwt., ex warehouse London or Glasgow.

ORANGE PEEL.—Bitter quarters remain at 3d. per lb. on spot, but business is small.

PAPAIN.—Spot price remains nominal at 1s. 6d. per lb.

PEPPERS.—For details of amended maximum prices, see C. & D., February 6, p. 152.

PIMENTO.—Spot price remains at the lower end of 1s. 9d. per lb. indicated recently; shipment prices are not quoted.

PODOPHYLLUM ROOT.—*Emodi*, 15 per cent., is unchanged on spot at 82s. per cwt.

PSYLLIUM SEED.—Indian seed may be had on spot at 1s. 3d. per lb., ex store.

QUILLAIA BARK.—Crushed or cut may be had on spot at 115s. per cwt.; natural, afloat, 80s. per cwt., c.i.f.

RHUBARB.—Fair business passing at unchanged prices. Good-quality rough-round, spot, 7s. 6d. to 8s. per lb., according to grade and seller. Shensi pickings, if available, would be worth 9s. 6d. per lb.

SAPONIN.—Spot quotations remain at last week's figure of 7s. 6d. per lb., ex store; shipment, 6s. 6d., c.i.f.

SARSAPARILLA.—Any small spot business in native reddish would be at between 3s. 6d. and 4s. per lb. Supplies are scarce.

SEEDS.—No important changes have occurred; prices of coriander and dill appear to vary rather widely. **CORIANDER.**—Indian, 80s. per cwt. **CUMIN.**—Maltese, spot, 145s.; Indian, 130s. **DILL.**—Spot quoted at 190s. **FENNEL.**—Indian, 110s. **FENUGREEK.**—105s. **MUSTARD.**—Controlled (see C. & D., November 28, 1942, p. 564).

SENNA.—Grades 1 and 2 of Tinnevely leaves appear to be in rather short supply at present, but further arrivals are expected; grade 3 leaves are plentiful. Prices are as follows: Tinnevely No. 1, 9d. to 10d. per lb.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d. Alexandrian broken, 1s. 3d. to 1s. 4d. Good handpicked Tinnevely pods, 11d. to 1s. 2d.; ordinary grade, 10d. to 11d.; f.a.q., 6d. to 7½d. Handpicked Alexandrian pods, 3s. 6d. to 6s., according to quality.

SHELLAC.—Quiet, with all prices maintained at previously-quoted values. Spot, standard TN orange, 205s. per cwt., value; pure button, unquoted; fine orange, 240s. to 290s. quoted.

SQUILL.—Portuguese is steady on spot at 95s. per cwt.; Indian, 75s.

STRAMONIUM LEAVES.—Spot supplies of Indian leaves may be obtained at 105s. per cwt.

STROPHANTHUS SEED.—Rather more inquiry has been received. Spot price of Kombé, 100 per cent., 10s. 6d. per lb., but for fair-sized orders slightly less would be taken.

TRAGACANTH.—Firm, with some of the medium grades showing small advances, as follows: No. 1, white, £127 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £82; pale leaf, £72; amber leaf, £65; dark amber, £55; brown leaf, £45; red-and-brown leaf, £40; red leaf, from £35; woody and hogg, from £17, ex store.

TURMERIC.—Sound-quality Madras finger is quoted on spot at 62s. 6d. per cwt., or rather more, as to holder; wormy, half a crown less.

VALERIAN ROOT.—Supplies of Indian root may be had on spot at 100s. per cwt., ex store.

WAXES.—Quiet, with prices unchanged. **CARNAUBA.**—Fatty grey and chalky grey, both 440s. per cwt.; Primeira, 520s., nominal. **BEES.**—Supplied only through the Association of Merchant Distributors of Beeswax.

Essential and Expressed Oils

ANISE (STAR).—Supplies of genuine oil are difficult to find; drums would be worth 54s. to 55s. per lb., on spot, with lower prices asked in some quarters.

BAY.—For the small quantities available about 12s. 6d. per lb. would be the price demanded by holders.

BOIS DE ROSE.—The spot price remains at approximately 42s. per lb.

CAJUPUT.—Spot price is maintained in the neighbourhood of 17s. 6d. per lb.

CASTOR.—Price of "firsts" is controlled at £72 per ton, and that of "seconds" at £70 per ton, both naked ex works.

CITRONELLA.—Supplies are short; Ceylon, if available, would be worth approximately 19s. 6d. to 20s. per lb.

CLOVE.—English distillers maintain their prices at around 14s. per lb. for ordinary quantities, but larger parcels would be at a few pence less.

COCONUT.—Prices are controlled at the following levels: Crude, £36 12s. 6d.; refined deodorised, £40; refined hardened deodorised, £44 per ton, naked ex works.

COTTONSEED.—Controlled price of refined deodorised remains at £49 per ton, naked ex works.

EUCALYPTUS.—Demand is good, but supplies are restricted. Any available spot lots of 70 to 75 per cent. oil would bring in about 5s. 9d. to 6s. per lb.

GERANIUM.—Basic price of any available supplies would be about 80s. per lb., but business would have to be negotiated. British makers can supply artificial substitutes at prices below those quoted.

GINGERGRASS.—Spot quotations for small supplies are at approximately 25s. per lb.

GROUNDNUT.—No change in controlled prices, which remain at between £48 and £54 per ton, naked ex works, according to grade.

LINSEED.—Crude oil is officially quoted at £46 10s. per ton, naked ex works.

PALMAROSA.—May be had in small compass on spot at from approximately 32s. 6d. to around 35s. per lb.

PEPPERMINT.—The trade is still awaiting particulars of possible Lease-Lend supplies. Present stocks of Chinese and Japanese are small, and about 90s. to 95s. per lb. is being asked, according to holder.

PETITGRAIN.—Small spot supplies may be had at around 24s. per lb.

RAPESEED.—Controlled price of crude has undergone no change from £54 per ton, naked ex works.

ROSEMARY.—Steady at the previously-quoted spot price of about 16s. per lb.

THYME.—High-quality, on spot, is valued at about 25s. per lb., but lower-phenol-containing oils would be cheaper.

COMMERCIAL NOTES

Canadian Irish Moss.—The 1942 production of Irish moss in Nova Scotia is estimated to have been nearly a million pounds. This was five or six times the previous year's production. In pre-war years most of the Irish moss used by the drug trade in Canada came from the coasts of Scotland, Ireland, Norway and Germany. Practically the whole of the small amount harvested in North America was from a section of the Massachusetts coast.

Australian Chemical Industry.—There is now in operation in Australia a nitrogen fixation plant. A synthetic ammonia plant operated by one of the Commonwealth's best-known chemical companies can produce all the nitric acid required for peacetime production of commercial explosives, and chlorine manufacture has been greatly increased. Plant is being erected for the large-scale manufacture of phosphorus from phosphatic rock, and a company engaged in making synthetic phenol, sulphanilamide, aspirin and other chemicals has recently nearly quintupled the amount at which it is capitalised. (See also p. 225).

Arsenic in Brazil.—In 1941 the consumption of arsenic in Brazil was about 1,820 metric tons. Of this, 1,203 metric tons were produced locally and the balance was imported from United States (93 per cent) and Japan. Local production of arsenic in 1937 was 717 metric tons; in 1938, 520; in 1939, 713; in 1940, 1,088; and in 1941, 1,203. At present, arsenic is produced by three companies which work the gold deposits in the State of Minas Geraes. It is used in Brazil mainly in the manufacture of insecticides and in the glass and pharmaceutical industries.

United States Vitamin Production.—Nearly three million dollars' worth of vitamins was purchased in October 1942 by the Agricultural Marketing Administration of the United States to fill requests by the Allies. More vitamins B₁ and B₂ were purchased, it is stated in "Foreign Commerce Weekly," than in the preceding eighteen months of the Lease-Lend programme. Purchases to date of vitamin A (fish liver oil) total 21 billion units costing \$3,167,000; vitamin B₁ (thiamin hydrochloride), 7,965 kilos costing \$4,057,000; and vitamin C (ascorbic acid), 60,923 lb. costing \$1,246,000. Vitamin B (riboflavin) and chemicals from which vitamin products are derived are also being purchased by the Administration.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

A Pharmacy Act Prosecution

SIR,—In the report in *THE CHEMIST AND DRUGGIST*, February 13, p. 162, it was stated that this company was summoned, in respect of the branch at 126 High Street, Batham, for selling, without being authorised sellers of poisons, a proprietary preparation containing ephedrine. This company wishes to point out (1) that all their branches are registered for the sale of poisons, but unfortunately during the unauthorised absence of the chemist Do-Do tablets were sold contrary to instructions and regulations laid down by the company, and (2) that all the branches are in the charge of a fully qualified pharmacist who is a registered pharmacist.

Yours faithfully,

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Proposed National Employee Pharmacists' Union

SIR,—So much interest was caused by my address, "One Voice for Pharmacy," before the North Metropolitan Pharmaceutical Association recently (see *C. & D.*, January, p. 120) that many members requested me to draw up a draft plan setting out in greater detail my proposals for a non-political union of pharmaceutical employees. In comply with this request I now put forward the following suggestions, which are for their objects the complete organisation of employee pharmacists; affiliation with the National Pharmaceutical Union as the parent body; and representation on national pharmaceutical bodies. The N.P.U. would consider and report, advise or make representations upon, any proposed legislation affecting the craft, and would combine with the N.P.U. for its purpose. My suggestion is that each branch of the suggested Union should comprise a general-management, finance and organisation committees, each committee consisting of an equal number of employees of proprietor pharmacists and of company chemists. The officers would be a chairman, vice-chairman, organising secretary, secretary and treasurer, elected alternately from each of the two sections. Officers would be elected annually. By means of a fund raised among members of the Union the functions of a benevolent

society would be carried out. There would be an entrance fee, together with subscriptions to be paid monthly. The management committee would have power to remove from the list of members any member who was more than thirteen weeks in arrears, except in certified cases of illness. The benefits to be provided by the N.E.P.U. would be (1) unemployment, (2) funeral, (3) distress, (4) sickness, (5) insurance and pensions. Free legal advice would be given on questions affecting conditions of employment and on any other matters affecting directly or indirectly a member's employment. The funds would be used for defraying necessary expenses and for any other purpose decided upon by a general meeting of members. The pensions and insurance schemes would be intended for members of the Union not covered by existing schemes, and for this purpose a separate fund from the general funds of the Union would be started. The basis of such a fund would be an annual contribution by employers to the National Pharmaceutical Union and monthly subscriptions by employees to the N.E.P.U. The proceeds of both funds would build up a pensions and insurance reserve fund. Besides discharging a moral obligation this would provide for the old age of employee pharmacists. The good offices of Mr. Mallinson could be solicited to draw up a scheme on a sound actuarial basis such as any first-class insurance company would accept. The concession of affiliation to the N.P.U. would carry with it certain conditions and responsibilities on the employee's side. The National Employee Pharmacists' Union would be non-political and non-partisan. If the need arose for it to exercise the power of a negotiating body, this would be done without recourse to militant methods. To sum up, the slogan would be "One voice for pharmacy—by the Craft, from the Craft, for the Craft."

Yours faithfully,

G. H. ARMITAGE.

East Barnet.

Loss of Frequency Fee Wanted

SIR,—Your correspondent Mr. D. H. Moore (*C. & D.*, February 6, p. 154), has raised an issue on which I have many times had the courtesy of your columns. The type of prescribing of which Mr. Moore

complains has cost me in lost fees over the past ten years fully £600. I would suggest that a "loss of frequency" fee ought to be introduced to protect chemists against this form of exploitation. In Scotland the inaccurate method of assessing purchase tax on Panel prescriptions involves the victim of this style of prescribing in still further loss. It will interest your readers to know that at the last meeting of the Glasgow Burgh Insurance Pharmaceutical Committee I moved and it was duly seconded that the Standing Committee be asked to investigate this matter with a view to devising a remedy. It should be borne in mind that when Mr. Lloyd George introduced the N.H.I. service he stated that the Panel patient was to have the same treatment as a private patient. As the sixteen-dose prescription in England and the twenty-four-dose in Scotland was the traditional style of prescribing, and would be that on which the scale of dispensing fees was based, any alteration of prescribing of the type complained of is really a breach of contract. It is therefore imperative that this matter receive attention.

Yours faithfully,
Glasgow. J. W. WILLIAMSON.

The Late Mr. T. H. Wardleworth

SIR,—The writer read with interest the article by Mr. William Chalmers regarding the late Mr. Wardleworth (*C. & D.*, November 7, 1942). Mr. Wardleworth had a very useful and interesting life in Canada, and his death has been a loss not only to many personal friends but also to the country at large. I have prepared recently a short article which outlines his activities here and this may be of interest to many of your subscribers.

Yours very truly,
J. BRUCE JORDAN,
General Purchasing Agent,
National Drug & Chemical
Montreal. Co. of Canada, Ltd.

Mr. Jordan writes:—

Theophilus Hatton Wardleworth was born in Lowestoft, England, in 1860. Following his education he joined the staff of Evans Sons & Co., now Evans Sons Lescher & Webb, Ltd., and became drug buyer on the Liverpool Drug Exchange, later foreign correspondent, visiting Spain and the West Indies and overseeing their South American business. In 1903 he came to Canada to join the staff of their branch with head office in Montreal and was associated with Mr. A. B. Evans. He was active in forming the

union of a number of wholesale drug houses across Canada which became the National Drug & Chemical Co. of Canada, Ltd., in 1906. He was appointed a director and general purchasing agent of that company, retiring from active service in 1929; he remained a director of that company until the time of his death.

During his lifetime in Canada he was recognised as a leading citizen of the Dominion and devoted his energy to many worthy causes being active in the conduct of both business and public services. He was an original member, and drew up the Charter, of the National Research Council at Ottawa, chairman of the Society of Chemical Industry, a member of the Montreal Board of Trade, president of the Dickson Fellowship, president of the Montreal Council of the Boy Scouts in 1919, Commissioner of the Boy Scouts for the City of Montreal in 1919, Provincial Commissioner of the Boy Scouts of Quebec in 1931, retiring in 1941, and elected Honorary Provincial Commissioner. He was Fellow of the Linnean Society.

During the last war he was Director of Purchases for the Imperial Munitions Board. In 1916 Mr. Wardleworth was vice-chairman of a Commission of six appointed by the Department of Trade and Commerce of the Canadian Government to visit Britain, France, Belgium and Italy with a view to studying post-war trade problems. Following his return from this tour he devoted considerable time and effort to the preparation of a most valuable report to the Government. At the time of his death he was the last surviving member of this Commission. He was keenly interested in golf and was at one time president of the Golf and Country Club, now St. Lambert Golf Club, and a past-president of the Canada Club and George's Society, and a member of the Canadian Club. He had a summer home at Lac Tremblay, Quebec, and was mayor of that municipality for a time. In church matters he cast his vote with the United Church of Canada, and was Elder of St. Andrew's Church of Westmount. Before coming to reside in Canada he married Eleanor Annesley Scott, of Liverpool, England, in 1902, who survives with a son, T. H. Wardleworth, and two daughters, Mrs. S. B. Easton and Una Scott Wardleworth.

Appreciations

Best thanks for formulas submitted expeditiously. Just what is required.
J. R. S., Altrincham.

We are in receipt of your favour of the 14th and would like to express our thanks for the formulas which you have submitted.
H. F. H., London, S.E.

We are much obliged by your letter, and which please accept our best thanks for your kind assistance in furnishing the useful information.—J. B. M., London E.C.4.

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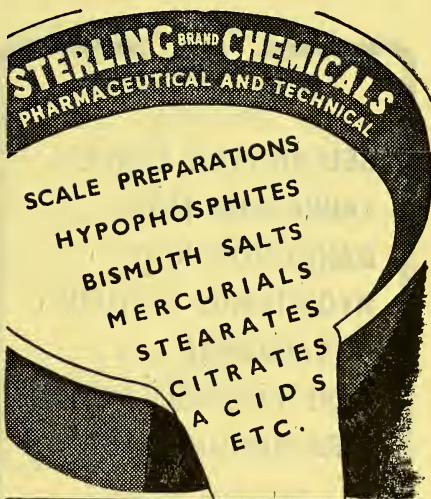
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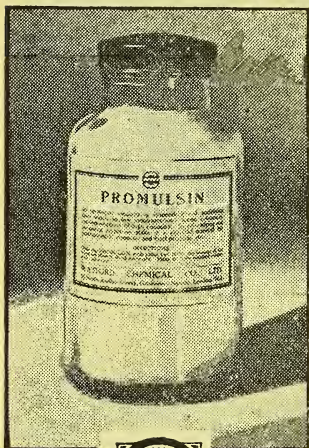
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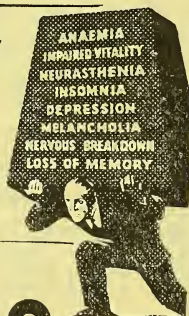
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**LOFTHOUSE & SALTMAN
LIMITED**

HULL

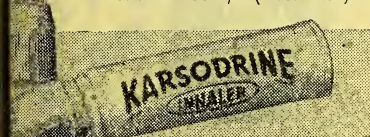


Defended . . .

Defence in depth is major strategy in modern defensive warfare. The outposts of defence lie well beyond the shores of this island citadel. Similarly modern medicine's defence against the insidious attacks of pathogenic organisms has many facets. Notable among these is maintenance of the barriers against systemic infiltration of germs through the nasal mucosa.

Decongestion of the turgid nasal in acute and chronic rhinitis, hay-fever, and is rapidly effected by use of the Karsodrine. Maximal shrinkage with corresponding symptomatic relief is obtained within five minutes. The volatile vaso-constrictor in the Inhaler penetrates the uttermost recesses of the nasal cavity and securing optimal drainage and aeration. With the cap to remove, the Karsodrine Inhaler is pre-ely simple to use.

Retail Price 1/6 (Inc. Tax)



ULA: Amphet-
330 grm., Cineole.
m.; Ol. Citronell.
m.; Methyl Sali-
23 grm.; Ol.
005 grm.; Men-
049 grm.; Ol.
0.089 grm.

Apart from its assured efficacy the Karsodrine Inhaler is an excellent financial proposition. The Retail Price is 1/6d. (inc. tax) which yields 3/2d. per dozen profit. This applies equally to small quantities if ordered with other "Griffiths Hughes" products.

GRIFFITHS HUGHES
LIMITED



ADELPHI, SALFORD 3
MANCHESTER

PRODUCT OF EHG LABORATORIES

Novelty Crossword . . .

by T. Scott Sutherland

F.R.I.B.A., F.R.I.A.S.,

Chairman

MOORE MEDICINAL PRODUCTS

LTD.

ABERDEEN

SCOTLAND

1	2	3	4	5	6
2					
3					
4					
5					
6					

Clues Down

1. Melliferous insects.
2. Often rolled in Scotland.
3. Exclamations of surprise.
4. "Victories" in short.
5. Expressions of delight.
6. Cockney poultry.

Clues Across

1. Abbreviated relative with an aristocratic German appellation relieves Asthma quickly.
2. A Pharmaceutical product replacing a German one.
3. Now made in Britain.
4. It may be a "drug in the market."
5. But it is a widespread success.
6. Manufactured by Moore Medicinal Products Ltd.

Send your solution and name and address in a plain sealed envelope marked "CROSSWORD."

On March 6th, competitors' entries will be opened and the first six containing the correct solution will each receive a gift of 1/2 doz. BROVON, value £2 10/-.

The names and addresses of the prize-winners will be published in a later announcement.

Look out for our next competition which will be a real test of skill and please remember to keep adequate stocks of BROVON.

10% DISCOUNT OFFERED ON 40/- ASSORTED PARCEL OF PINEOLEUM Brand INHALANT

The Inhalant to curb a cold and ease its distress.

The above sent Carriage Paid Home—short term offer direct from the agents against *pro forma* invoice.

Pineoleum Brand Nebulizer Outfit.

Outfit, complete with inhalant in carton 45/- per dozen .. 5/- .. 5/7½

Pineoleum Brand Inhalant.

100 c.c. bottle in carton 45/- 5/- .. 5/7½

15 c.c. bottle with dropper 13/6 1/6 .. 1/8½

(Packed in ½ doz. Display Boxes)

Pineoleum Brand Ephedrine Jelly.

Collapsible tubes with applicator .. 11/3 1/3 .. 1/5

(Packed in ½ doz. Display Boxes)

Pre Tax Suggested
Retail Retail
Price. Price
with P. Tax.

Apply direct to the sole distributors in Great Britain and Northern Ireland:

THE CHESEBROUGH MANUFACTURING Co. Ltd., Victoria Rd., Willesden, N.W.10

Ox-Gall CONCENTRATED

8:1

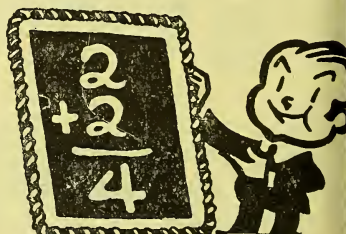
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Limited but regular supplies of
Standardised Concentrated Gall
of first quality can be obtained
from the manufacturers:—

Benger's Limited, Holmes Chapel, Cheshire
or their agent:

Maurice Lee Unger, Medlock St., Liverpool Rd.,
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50 Years of Adding



Simple addition over half a century so
the Chemist what the public goes on to
ing -- and doing -- about BOX'S PILLS
When times are difficult and food is 'aus
demand for these well-known Indigestion
is brisker than ever, so give them a
show. Display stands free.

P.A.T.A. Retail

BOX'S PILLS 1/3, 3/-, 4
12/-, 2/-

W. H. BOX, KING ST., PLYMOUTH. Purchase

'Small quantities regularly'

We appeal to our chemist friends for their co-operation in our problem of ensuring a fair distribution of Ribena Blackcurrant Syrup.

Our greatly increased output should now make it possible for every chemist to obtain supplies if the following simple procedure is observed:—

1. Do not order in dozens for the sake of having reserve stock.
2. Order small quantities regularly from your nearest usual wholesaler.

Because of its high content of natural vitamin C, Ribena is being prescribed in every part of the country. It is better, therefore, that 8,000 chemists should have 3 bottles each than that only 1,000 should each have 2 dozen bottles.
Verb. sap.

Once again we thank all chemists who have given their loyal support to the

Ministries' ruling that Ribena is to be reserved for children, invalids and medical prescriptions.

Our tradé friends can help still further by ordering in small, regular quantities and by resisting the very natural temptation to "stock up."

The controlled retail price of Ribena is 2/1d. per bottle (approx. 13½ ozs.).

Ribena
BLACKCURRANT SYRUP

H. W. Carter & Co., Ltd., The Old Refinery, Bristol 2

Cod Liver Oil in nutrition

Before the war leading Medical opinion at home and abroad agreed that even then a daily teaspoonful of Cod Liver Oil was needed to supplement the diets of infants, children, adolescents, and nursing and expectant mothers. The pre-war *Report on the Physiological Bases of Nutrition*, 1936, setting down these conclusions and recommendations was endorsed by our own Ministry of Health and the British Medical Research Council.

Since the outbreak of the war the Ministry of Food have taken steps, with their Cod Liver Oil Distribution Scheme, to ensure that adequate supplies are to-day within the reach of expectant mothers and young children.

But the Ministry of Food Scheme needs the active co-operation and support of the Pharmaceutical Profession in recommending mothers to take advantage of these facilities and in getting them to appreciate the importance and value of Cod Liver Oil in pre-natal care and throughout childhood and adolescence.

For those outside the scheme, and also for those who prefer freedom of choice, SevenSeaS pure Cod Liver Oil is available in all chemists' shops throughout the country. There is no shortage of SevenSeaS and its quality and purity remain unimpaired. The Pharmaceutical Profession is, however, reminded that orders should be placed at least two or three months ahead of actual needs, as the difficulties of packing and delivery are greater than ever before.

Issued by British Cod Liver Oil Producers (Hull) Ltd., St. Andrew's Dock, Hull.

HERE'S THE EXTRA nourishment war workers need...

Prepared in specially assimilable form and available in adequate supply, Jenner's offers a fine malted and sweetened food proved invaluable for over 50 years for tired workers, invalid digestions, old people, nursing mothers and infants.



JENNER'S Malted Food

SWEETENED Retail Trade
Malt and small size 1/6 14/4
Chocolate Flavour large size 2/8 25/6

SPLENDOR Ltd. 5, Beeston Road
Nottingham, & 7c, Lower Belgrave St., London

75% OF YOUR CUSTOMERS

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SAMONA

The well known Restorative

This wonderful Medical Restorative BRINGS IMMEDIATE RELIEF IN ALL CASES OF NERVE STRAIN, DEPRESSION, TIRED and LISTLESS APPEARANCE, MENTAL and PHYSICAL EXHAUSTION

SAMONA LTD., Northington House, Northington Street, LONDON, W.C.1



PRICES (including purchase tax)
3/5 & 5/7½ (more than double quantity)

ON'T BE CAUGHT NAPPING

According to the influenza epidemiology curve an outbreak is on the way. Consequently there will be an overwhelming demand for **EPISEPS**. Stock up now. Your customers' requirements will be urgent and insistent.

EPISEPS germicidal throat tablets are an ethical product for chemists only. **EPISEPS** contain proflavine sulphate, amongst other ingredients. Proflavine sulphate in concentrations as low as 1 in 80,000 will inhibit growth of, and in concentrations of 1 in 30,000 will totally destroy in a few seconds pyogenic streptococcus, pneumococcus and staphylococcus aureus. These three are the virulent invaders of the membranes of nose and throat, and once they have grown to in vivo the symptoms of influenzal throat appear. It is now established that these organisms operating as an airborne and filterable virus are the cause of 'flu. (It is of note that iodine as a bactericidal agent against these is useless unless used in such high concentrations as to be severely caustic to the mucous membranes.)

Evidence of the efficacy of **EPISEPS** will be obvious when it is considered that one **EPISEPS** tablet sucked slowly becomes a 1 in 3,000 salivary solution and after four hours, due to its presence by absorption in the tongue folds, is still between 1 in 60,000 and 1 in 100,000.

As well, therefore, as being a complete prophylactic and bactericide against the above germs **EPISEPS** also destroys and prevents the development of micrococcus catarrhalis, non-haemolytic streptococcus, perhaps the commonest of all invaders of the mouth and throat membranes.

Obviously, therefore, **EPISEPS** germicidal throat tablets are a product which you can recommend with a full sense of your professional responsibility.

SPECIAL BONUS OFFER

EPISEPS sell at 1/6 retail including postage and for a limited time only we are offering a special bonus of 1/6 per dozen on gross lots, with order.

£7.5.7

INCLUDING PURCHASE TAX. Otherwise through your usual wholesaler, at 1/6 per dozen, plus 1/9 purchase tax. If you have any difficulty please let us know.



EPISEPS calendars are now available upon request to Chemists. Under the Paper Order we are afraid that we cannot distribute these free, so with your request will you please enclose 1d. stamp.

EPISEPS LTD., EASTBROOK BUILDINGS, LEEDS ROAD, BRADFORD.

Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's
CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS

PURCHASER'S SIGNATURE NOT REQUIRED



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J. T. DAVENPORT LTD.
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Prunol continues to increase in public favour. It is in constant demand for children and adults. Supplies are still available for prompt delivery from all wholesale houses.

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Prunol
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7^p & 1^s
(including tax)

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PASTILLES

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THE FLUID BEEF EXTRACT

Nationally Advertised

Order from your Wholesaler or direct from

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AN ANNOUNCEMENT
CONCERNING

PEROX-CHLOR
OF IMPORTANCE TO CHEMISTS

Keene's Laboratories, Limited, have entirely given up possession of the damaged premises at 287 Gray's Inn Road, London, W.C.1, and all communications should be addressed to the factory, 46/52 Elswick Road, Newcastle-on-Tyne 4. Telephone: Newcastle 34006.

The Purchase Tax on Perox-Chlor has now been reduced to 33½%, and the new retail selling prices are 1/7, 3/10, and 6/4.



There will always be an insistent demand for **SHERLEY'S** DOG PREPARATIONS

Despite the abnormal conditions prevailing, there will always be an insistent demand for Sherley's Dog Preparations as they are recognised by Owners everywhere as the True Standard of Excellence. It would therefore be wise to stock your shelves to capacity so as not to run the risk of disappointing regular customers. We, on our part, will continue to support retailers to the utmost, and maintain the fullest supplies possible.

PURCHASE TAX. The following ruling from H.M. Customs & Excise has effect from June 4th, 1942:—

SHERLEY'S COATACINE—TAX 66½%
SHERLEY'S DRY CLEANER BLOCK AND POWDER
—TAX 33½%

DISCOUNT TERMS

discount of 10% on minimum £2 parcels will be in future deducted from invoice, rendering the invoice nett 30 days. Orders value £1 and over carriage paid. owing to the difficulty in arranging travellers' regular calls, journey accounts are discontinued. Accounts are payable 30 days nett.

A. F. SHERLEY & CO. LTD., Boston Manor Road, Brentford, Middlesex

NEW RETAIL PRICES

COATACINE	2/3d.
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NOFOL	1/9d. (TAX FREE)

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FREE DISPLAY MATERIAL. Bold, attractive Display Cards for counter and window are supplied to all Sherley stockists, free and post free.

THE BIG WINNER



PROPAX
REGD. TRADE MARK
PAIN RELIEVING TABLETS

TRADE TERMS (P.A.T.A.)

Wholesale	
nc. P.T.	4/5 doz. (packed in 3 doz. display outer)
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Continuous and Steadily Advertised Goods FOR DESTROYING RATS AND MICE

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Retail Price (Protected)	Net Wholesale Price
Virus for Rats and Mice, single tube,	2/- 15/- per doz
	3 tubes, 5/-
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Date-expired tubes returned to us postage paid will be exchanged free of charge.

Danysz Virus in Liquid Form

Retail Price	Wholesale Price
Bottles 6/- each	4/6 each
" 4/6 "	3/9 "

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Discount off Retail Prices 25% Monthly Account, or
33½% Cash with Order.

Retail	Monthly A/c	Cash with Order
½ gall. tins	10/- .. 7/6	6/8
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5 " "	80/- .. 60/-	53/4

DANZO BEETLE POWDER

For destroying Blackbeetles, Cockroaches, Crickets, etc.
Retail Prices (Protected) Wholesale Prices
In cartons 9d. each 6/9 per doz.
" 1/6 " 13/6
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Danzo Beetle Powder will not deteriorate by keeping.

CARRIAGE PAID ON ALL ORDERS

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A real War-time Saver

Parmint has an added value these days, when economy is the watchword; economy in materials as well as in money.

Never let your customers forget that a one-ounce bottle of Parmint (Double Strength) makes half a pint of excellent cough syrup.

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The VITAMIN MALT FOOD

With Guaranteed Complement of Vitamins A, B, C

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Good! it's

The
CHEMISTS'
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EXTRACT OF HELL

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Beer. **GOOD PROFITS—QUICK SALE**

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Their fragrance sealed in attractive cellophane pack. 42/- per gross. Post Paid, with show cards Sample packet 9d.

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Price 11/- lb.

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Hair Slides, Assorted Shades, Carded Singly,
33/- per gross, plus 66 $\frac{2}{3}$ % purchase tax.

Hair Nets, Invisible, with elastic, 18/- per
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Hair Nets, Invisible, with elastic, better quality,
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Hair Pins (1 $\frac{1}{2}$ ") boxed in 3,000, 9/- per 1,000;
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Black, 12/- lb. Brown, Golden Brown, 14/- lb.
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All above packed $\frac{1}{2}$ lb. tins and upwards. Tins
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MORDEN ROAD, LONDON, S.W.19

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of the Chemist & Druggist

FEBRUARY 27
1943

28, ESSEX STREET, LONDON, W.C.2

Advertisements in this supplement must be prepaid and should reach us not later than WEDNESDAY week of issue. Box Office numbers cost 1/-. Late advertisements will be held over to following week

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3/11 per lb.

SOAPLESS POWDER BASE
Detergent. For Shampoos, Foam Baths,
3/9 per lb.

Minimum orders 7 lb. Cash with order.
Carriage paid. Inquiries invited for
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gross 2 oz. Jars, 2 tons Petroleum Jelly,
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brush Bottles with brush and quantity of
Selling Salts Bottles, 200 gross 2 oz. Screw
caps with metal caps. If interested write for
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Wholesalers with extensive con-
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Hospitals, Societies and Chemists,
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substantial orders

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Washing Machine wanted for 2 oz. Pots,
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Highest price paid for right outfit.

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Best quality products only from 1 lb. upwards.

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All enquiries welcomed.

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bottle (pale green glass), 36/- gross; 6 oz. oval
fronted flat bottle, 33/- gross. All complete with
lacquered metal screw cap. Cash with order.
Carriage paid.

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Stearine (Triple pressed)	lb. 4/-
Stearine (Block white, distilled) ..	lb. 2/-
(Melting point, 118°-122°), per cwt. ..	lb. 1/9
Stearine Flake (cwt. bags only) ..	lb. 1/3
Gum Tragacanth, B.P. (Powdered) ..	lb. 15/-
Super Quality	lb. 24/-
Sodium Carbonate Monohydrate Crystals ..	lb. 6d.
2-cwt. bag	lb. 4½d.
Synthetic Bergamot Oil	oz. 4/- lb. 55/-
Synthetic Rose Compound	oz. 5/6 lb. 75/-
Synthetic Jasmin Oil	oz. 5/6 lb. 75/-
Lily of the Valley Oil	oz. 5/6 lb. 75/-
Eau de Cologne Oil	oz. 5/6 lb. 75/-
Exquisite White Rose Oil	oz. 6/6 lb. 85/-
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Special H.P. Alexandrian Senna Pods ..	lb. 7/6
Nurses' Dressing Scissors, 5-inch ..	doz. 36/-
(Plus tax, 12/-)	

Hair Rinse Colours: Brown, Golden	
Brown, Black	oz. 1/6 lb. 14/-
Bath Salt Colours	oz. 2/-
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Auburn)	lb. 30/-
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DYES for household use, packed in packets, supplied in 10 shades with fixed retail price 5d. per packet; **WASHING BLUE** in packets and bottles; also free of ration, no coupons required, **FINE WASHING POWDER**, in cartons, 6d. Retail—inquiries to:—

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ALL PHARMACY FITTINGS. New and Secondhand
From the single unit—to the complete Pharmacy
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GENTLEMAN, living in Dublin, would act as Agent, Distributor or Representative for any company or manufacturers, ethical or non-ethical products. Packing arranged if necessary. Excellent connexion hospitals, doctors, chemists, and wholesalers throughout Eire. 426/656, London Office of this Paper.

NORTHERN Ireland. Representative with long-established connexion Retail and Wholesale Chemists, desires additional agencies embracing Surgical Dressings, Medicinal Packed Lines, and other Miscellaneous Goods. Excellent references. 427/673, London Office of this Paper.

SCOTLAND.—Agent calling personally on Retail and Wholesale Chemists, Hospitals, etc., throughout Scotland is open for first-class agencies on commission basis. Long-established connexion. Unimpeachable credentials. Office in central position Glasgow. 426/658, London Office of this Paper.

SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

Employment of Women (Control of Engage- ment) Order 1942

With certain exceptions, women over 18 and under 40 years of age seeking Employment and Employers to engage such women are now required to do so through the local office of the Ministry of Labour National Service or an approved employment agency.

RETAIL (HOME)

A PHARMACIST Locum required, either for holiday relief 16 weeks. State dates, and references to Pharmacy Manager, Plymouth Co-operative Society, Ltd., 7 Lisson Grove, Plymouth.

BARNESLEY, Yorks. Required immediately the duration, a Qualified Assistant must be of good sound education and experience high-class pharmacy; excellent references essential. Private dispensing only; no N.H. undertaken. Hours, 9 to 7—Sunday duty of every fortnight. Apply, giving wages required all other particulars, to R. L. Wilson, Moor 12 Market Hill, Barnsley.

BLACKPOOL.—Unqualified, £4 10s. week salary. pharmacy. Must be quick, accurate, capable. Exempt or over military age. Permanency. Galloway, Church Street.

BROMLEY (near to), Qualified for Branch, working class and N.H.I.; no holiday Sunday duties. Please state when at liberty salary required. 427/671, London Office of this Paper.

COMPETENT Assistant, Qualified or Unqualified required for Dispensing and Medical and Surgical Supplies business. Apply, with full part age, experience, salary required, giving reference to Smalleys, 6 and 8 Carr Street, Ipswich.

DISPENSER. Qualified man or woman required. Apply personally, Staff Controller, White Bayswater.

LANCASHIRE TOWN.—Experienced Assistant required (Qualified or Unqualified) for Casualty hours; must be used to quick town trade. Good salary for suitable applicant. CDB/134, London Office of this Paper.

LEEDS Industrial Co-operative Society, Limited, require the services of a Qualified (either sex) for the position of Relief Manager. Qualified Assistant. Apply, stating full particulars to the Secretary, L.I.C.S., Ltd., 10 Albion Street, Leeds, endorsed "Pharmacy."

LONDON CO-OPERATIVE CHEMISTS, Limited, invite applications from qualified Pharmacy male and female, for progressive positions in London suburban areas. Applications in the first instance to Pharmacy Manager, Maryland Street, Stratford, London, E.15.

PHARMACIST. Elderly or exempt male. Dispensing Shop. Rota Duties, Scotland full particulars when free. 426/660, London Office of this Paper.

QUALIFIED Locum required for 14-16 weeks commencing end of May, for branch Mid-Kent. Stonham & Sons, Ltd., 70 Bank Street, Maidstone, Kent.

QUALIFIED Locum, lady or gentleman, one/two weeks soon as possible. State terms experience and apply Robinson, Chemist, 1 Street, Hemel Hempstead, Herts.

QUALIFIED Manager required for good business in city centre. Good living accommodation away from shop. Full particulars letter, please. S. J. Mott, 48 Piccadilly, London, W.1.

QUALIFIED (either sex) as Branch Manager £7 per week. No Sunday or holiday dispensing if suitable; also qualified Locum Unqualified Assistant. Walsall & District Co-operative Society, Ltd., 36 Bridge Street, Walsall.

QUALIFIED Chemist required to take charge of West-End Pharmacy. Permanency. 416/298, London Office of this Paper.

ALIFIED Assistant as Superintendent for small middle-class Pharmacy, W.9 district. Quick er trade, male or female; exempt military e. Hours 9 a.m.-6.30 p.m. Salary £7 weekly. Agency. State age, etc. 426/646, London Office is Paper.

TH Coast. Qualified lady or gentleman, over military age or exempt, as Superintendent in Retail business. Short hours, easy position, elderly person. No N.H.I., Sund ay, or half-day 427/672, London Office of this Paper.

CKTAKER required, preferably with previous experience, but not essential provided applicant sses up-to-date knowledge of Drug trade and a, etc. Must be keen and energetic, good pros-

Work mainly in London area, but some elling may be necessary from time to time, nencing salary £5 per week. Ernest J. George , 329 High Holborn, London, W.C.1.

WORTH. Manager or Managress for quick cash business, suit keen progressive Pharmacist, working conditions. Arrangements for living mmodation if required. 426/659, London Office is Paper.

OTHY WHITES & TAYLORS will shortly require Qualified men as Managers of branches rantham, Evesham, Truro, Penzance, Ruislip, smouth, Gloucester, Isle of Wight. Interviews aged locally. Particulars to Retail Drug Depart- , Timothy Whites & Taylors, Ltd., 70 Vauxhall e Road, London, S.W.1.

QUALIFIED Lady Assistant required; duties mainly in Dispensary. Please state experience, salary required and when at liberty. Fairfax nley, Ltd., Chemists, Manor Square, Otley, Yorks.

QUALIFIED Assistant with good all-round experience. Exempt or over military age. Any before the middle of March. Apply, W. E. ridge, 431 Gloucester Road, Bristol, 7.

ANTED. Active, competent Assistant for good-class country business. Qualified man preferred. N.H.I. dispensing, no Sunday or holiday duty. t area. Apply, giving full particulars to H. nell, Tenterden, Kent.

ANTED. Qualified Chemist (male or female) required as Locum, May, June, July, and ust (the whole or part). Written applications to Oldham Industrial Co-operative Society, Ltd., g Street, Oldham.

WHOLESALE

FACTORY (Essential) in North-West requires Pharmacist as Works Manager (working), upt military service. Must be familiar with ufacture of HCN, Lysol, Sapo Mollis B.P. add., ets, emulsions, ointments, etc. The keeping of .A. records. A 52-hr. week. Give full particulars rst letter of age, previous experience and salary nired. 426/652, London Office of this Paper.

ELL & SONS, LTD., require one or two really capable Salesmen to introduce the 'George Bell Remedy' lines to Chemists, Pet Stores, Corn lers, etc. Only men of high integrity and proved s ability need apply. Write, 16 Lathom Road, thport.

HECKERS and Packers, experienced, required by Wholesale and Manufacturing Chemists. ly, Harker, Stagg & Morgan, Ltd., Emmott et, Mile End, London, E.1.

VOICE Typist required for Manufacturing Chemist in London. Previous experience ntial. Apply, giving all details, to 426/655, ndon Office of this Paper.

LABORATORY Assistant (male or female), with knowledge of Pharmaceutical analysis and arch required by well-known Manufacturing mists, near London. Reply stating age, previous erience, qualifications, and salary required. /668, London Office of this Paper.

ANCASHIRE. Representative required. Ethical pharmaceutical products. Generous commission. nding of other pharmaceutical lines not objected 425/604, London Office of this Paper.

MESSRS. T. H. FORD, LTD., 13 Aldersgate Street, E.C.1, Surgical Dressings Manufacturers and Chemists' Sundriesmen, invite applications for a position as Representative (Male or Female) in an area approximately 30 miles around London (less postal London). Write stating full particulars of past experience, and remuneration required to the Secretary.

PACKER and Stock-keeper required in Proprietary Medicine business; W.C.1 district; 5-day week; must be over military age. State experience, and salary required. Box 36, Smiths', 100 Fleet Street, E.C.4.

PHARMACIST, for London Wholesale House. To control D.D.A. records, and assist generally. All-round trade experience desirable, and possess adaptability. Exempt military service. Applicants must state experience, salary expected, and enclose copies of testimonials, to 424/559, London Office of this Paper.

REPRESENTATIVE required for the West of England, by well-known distributing house; must be resident on territory. Salary, expenses and commission. Please send full details as to past experience, to 425/610, London Office of this Paper.

REPRESENTATIVES required by Manufacturing Chemists to sell advertised proprietaries to pharmaceutical trade. Four territories vacant: 1, Southern Counties; 2, Eastern Counties; 3, South London; 4, West Midlands. Salary, commission and expenses. Fulllest particulars, stating age and liability for military service in first letter. 426/649, London Office of this Paper.

REPRESENTATIVES wanted to sell nationally advertised ethical and pharmaceutical preparations about to be nationally advertised. Commission only. Full details by letter. Burton Rhodes & Co., Ltd., 409 Kilburn High Road, N.W.6.

REQUIRED. Assistant Process Supervisor for food factory near Watford. Ability to control labour and handle large-scale operations essential. Apply, stating age, experience, and salary required, to 426/653, London Office of this Paper.

REQUIRED first-class Representatives to cover Leicester, Staffordshire, Shropshire, Worcester, Warwick, Northampton, Nottingham, Derby, Gloucester, Lincoln, and South Wales; regular calling and a sound connexion with Chemists, Grocers, Retail and Wholesale Co-operative Societies on high commission base. Reply in confidence, stating references. 427/661, London Office of this Paper.

SALESMAN with connexion amongst Health Food Stores, Herbalists, Drug Stores, etc., to sell prominent brand of Herbal Tea. Attractive pack, good show material and samples provided. Generous commission. Apply with full particulars of ground covered and other lines carried to Cross & Max, Ltd., 17 Bishops Court, Old Bailey, London, E.C.4.

TABLET-MAKER. Lancashire firm Manufacturing Chemists requires exempt or discharged man. Write stating experience and salary required. CDB/131, London Office of this Paper.

UNQUALIFIED Man, to take control of Dispatch Department of semi-Wholesale suppliers of Technical and Photographic Chemicals and Sundries (essential works). Short hours, good post. Apply, 47 Hatton Garden, London, E.C.1. (Holborn 1848/9).

WAREHOUSE Assistant, also experienced Counter Hand (exempt military service), required by London Wholesale Druggists. Good wages and conditions. Apply, with particulars of salary required, etc., to 426/651, London Office of this Paper.

WELL-KNOWN firm of Chemical Manufacturers, Surrey, offer position in Technical Sales Department to a lady with knowledge of Chemistry. Applications in writing, stating age, previous experience and approximate salary required. 425/622, London Office of this Paper.

YOUNG Lady or Gentleman required by very recently established manufacturers of Proprietary Medicines, to supervise production of Medicinal and Toilet Preparations. Previous experience an advantage but qualifications not necessary. 427/669, London Office of this Paper.

SITUATIONS WANTED*2/6 for 18 words or less, 1d. for every additional word.***RETAIL (HOME)**

LOCUM, disengaged, experienced, competent, reliable. Forward dates open; terms reasonable. Full particulars to Bishop, White Hart Hotel, Henley, Oxon.

UNQUALIFIED (50), 20 years' Management busy resort, ability and keenness in display counter, and business routine; country, good-class trade, no dispensing. Would manage drug stores or co-operate with pharmacist. CDB/136, London Office of this Paper.

WHOLESALE

AGENE with live connexion among Chemists, Stores and Co-op Societies in London and Home Counties, seeks additional representation. 427/670, London Office of this Paper.

EXECUTIVE, Pharmacist, sound knowledge Wholesale trade, fine and heavy chemicals, pharmaceuticals, etc.; experience of Works Control, Office and General administration, including Sales. Capital available, if required. 426/641, London Office of this Paper.

EXPERIENCED Representative, excellent Chemists' connection, Home Counties, South Coast, now representing reputable firm on that territory, desires additional agency on commission basis. C. H. Bonny, 5 Rosemount, Wallington, Surrey.

INDUSTRIAL Chemist, with wide organic research and manufacturing experience, able to provide new lines; alive to war necessities; offers collaboration. Not liable to military service. 427/674, London Office of this Paper.

MANAGER, 16 years' manufacturing experience, works and office control. Capable-organiser. Age 39. 426/654, London Office of this Paper.

REPRESENTATIVE calling on chemists North and N. West London districts desirous carrying medicinal lines; sound connexions; state terms. 426/657, London Office of this Paper.

REPRESENTATIVE, with a sound connexion amongst Chemists and Stores in the North of England desires a change. 427/663, London Office of this Paper.

FOR SALE (Retailers' Surplus)*7/6 for 36 words or less, 2d. for every additional word.*

FINEST Natural Oil of Bergamot, 5 lbs. only at £12 per lb. Shelley, Caldmere, Walsall.

OFFERS wanted for one 4½-cwt. barrel of Sulphonated fatty alcohol. Finest quality. N.R., 74 Heaton Road, Withington, Manchester, 20.

SEGA Weighing Machine, 5 ft. high, in perfect condition. Offers? 32 Herbert Road, Plumstead, London, S.E.2.

174 GROSS Corks, with red wood tops. Measurements: length, 1½ inches; bottom diameter of cork, ¾ inch; diameter of wood top, 1½ inches. Offers to 426/650, London Office of this Paper.

6' DISPENSING Screen and 15' Mahogany Glass-fronted Counter, fitted various shelves behind. Bargain for quick removal. 'Phone: GU12828.

MISCELLANEOUS SALES*12/6 for 60 words or less, 1/- each additional 10 words or less*

OFFERS required for 80 gross (approx.) Styptic Pencil Containers in assorted colours with white bases. Will take 9 mm. stick. Suitable for Lipstick Refills, Tablet Containers or Styptic Holders. Offers considered for whole or part. Would exchange for toilet bottles any kind. J. Harris, 13 Cambridge Gardens, Ladbroke Grove, London, W.10.

ONE variable speed electric Stirring Machine in good order. £11. Chapman, 1, Victoria Sq., Clifton, Bristol.

WANTED*7/6 for 36 words or less, 2d. for every additional word.*

COMPANY marketing preparation for use in Forces wishes purchase considerable quantity of Talcum Powder and Talcum Substitute, preparations must be dead white, grit free, possess ample slip, for surgical purposes. Quota collectively or individually for minimum of one each. 427/662, London Office of this Paper.

IT is unpatriotic to hang on to your Leica and Contax Cameras when the R.A.F. needs them so urgently. Do please release yours. Top prices paid. Wallace Heaton, Ltd., 127 New Bond Street, London, W.1.

WANTED, Saccharin Tablets. Any quantity purchased for cash. 427/666, London Office of this Paper.

WANTED, 550 Saccharin Powder or Standard Tablets. Any quantity purchased for cash. G. H. Smith, 34 Greenfield Gardens, London, N. Phone: Gladstone 4116.

WANTED, Copper Pill-coating Pan. Do to Leath & Ross Laboratory, 342 Kilburn Road, London, N.W.6.

WANTED, Copper Revolving Pans, 1 cwt. ap capacity, non-jacketed, single motor drive State condition and price to Nectar, Ltd., 1 P Place, Islington, London, N.1, or 'phone Canon 2337.

WE require and Pay Best Prices for Saccharin Tablets. Write Dewhurst's, 63 Queen Street, Great Harwood, Blackburn. Tel. 271.

APPOINTMENTS**SURREY COUNTY COUNCIL****PUBLIC HEALTH DEPARTMENT**

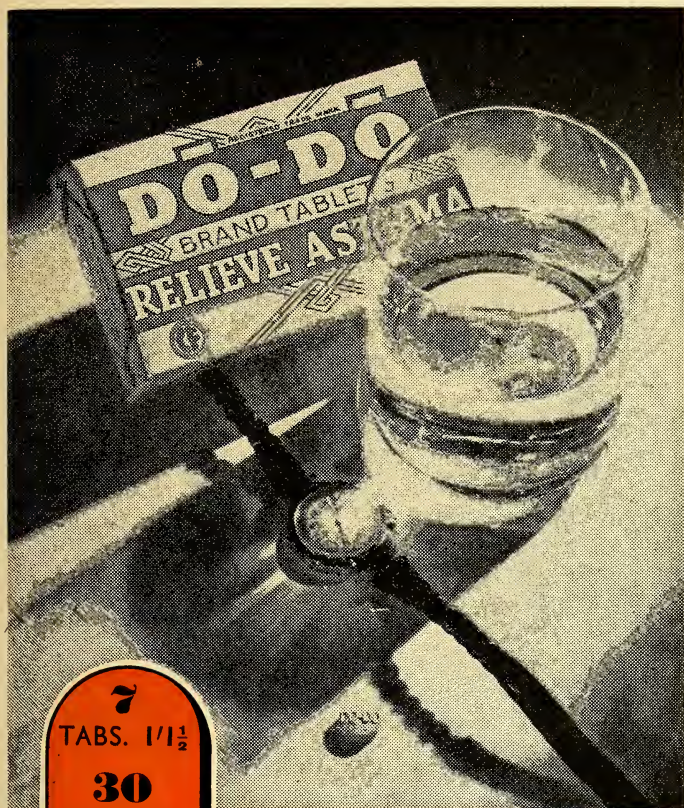
ASSISTANT PHARMACIST (temporary, for duration of war) at WARREN ROAD HOSPITAL, GUILDFORD. Salary grade for applicants holding M.P.S. or Ph.C. qualifications, £250 x £10—£300 p.a., plus War Bonus. For Unregistered Dispensers the grade is £175 x £10—£225 p.a., plus War Bonus. Commencing salary according to exp. Apply to Medical Superintendent.

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Applications are invited from fully Qualified Pharmacists (male or female), for the appointment of Temporary Assistant Dispenser at the Central Home, Union Road, Leytonstone, E.11. Commencing salary £250 per annum, rising by increments of £1 per annum to a maximum of £300 p.a. annum, plus 6 per cent. temporary war bonus, with dinner and tea daily. The successful candidate will be required to devote the whole of his time to the duties of the post. The appointment will be subject to the Council's regulations as made from time to time regarding holidays, sick pay, etc., and the successful candidate will be required to pass a medical examination. Application should be made in writing giving particulars of age, training and qualifications, experience, present and previous posts held, and forwarded to the undersigned not later than 10th March, 1943. Convancing members of the Council prohibited and will disqualify.

CHARLES E. CRANFIELD,
Town Clerk

TOWN HALL, WEST HAM,
LONDON, E.15.*



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